

Price List 2023

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Introduction to **BattLab** Services

Batt Laboratories Ltd has been established to provide veterinary surgeons with a personal high quality diagnostic laboratory service to help you make accurate assessments of your patients from disease to optimal health. To do this we offer not only a comprehensive portfolio of routine clinical pathology investigations, but also a novel panel of gastroenterology, genetics, infectious disease and allergy services.

Batt Laboratories Ltd has been founded by Professor Roger Batt BVSc, MSc, PhD, FRCVS, Diplomate ECVIM-CA who has an international reputation in veterinary internal medicine and has held senior posts in academia and industry. He is particularly well known for his clinical research which has led to the development of novel diagnostic tests and advances in the management of gastrointestinal diseases in small companion animals.

From February 2015 BattLab belongs to the family of LABOKLIN Laboratories. BattLab has doubled in size and greatly increased the spectrum of tests offered. BattLab can make use of over 30 years of experience in the field of veterinary laboratory medicine.

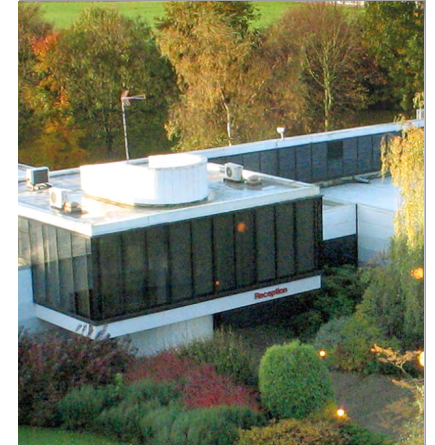
The professional staff is composed of experienced clinical pathologists that enable us to offer a high quality and rapid in-house cytology service.

All our reports are routinely accompanied by expert veterinary advice, and our clinical pathologists are readily available to discuss results or provide further advice. We are happy to quote for any diagnostic test and always welcome feedback so we can ensure we provide the service you want.



Dr. Elisabeth Müller
CEO LABOKLIN GmbH & Co. KG
and BattLab

BattLab in Coventry (UK)

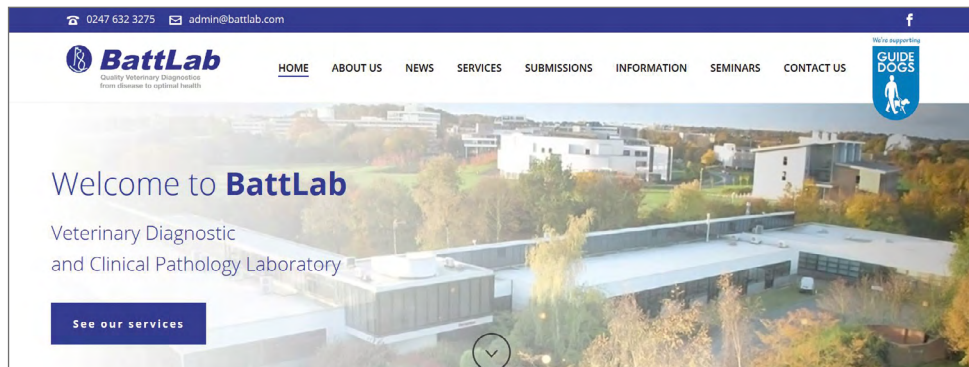
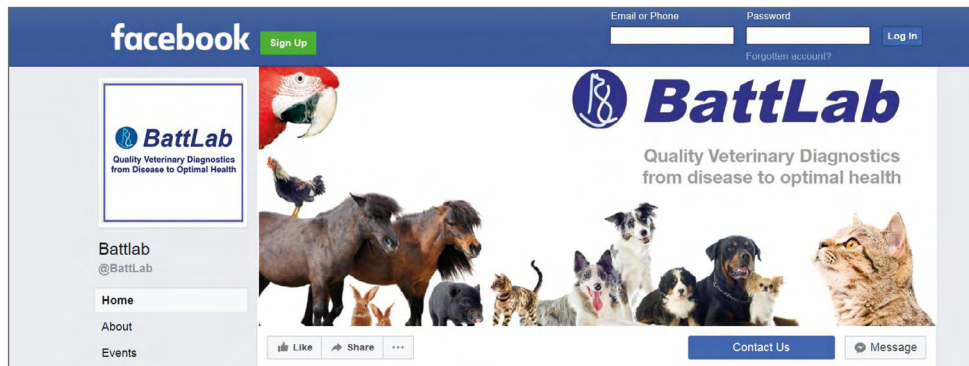


LABOKLIN in Bad Kissingen (Germany)



Activities

At Battlab we believe that to be a truly progressive and dynamic lab, you need to provide more than just sample testing. To allow you to keep up to date with all Battlab news, announcements, and information, we have our own website, newsletter, Facebook and LinkedIn page. Check them out!



As well as our online presence, we host our own free evening seminars and webinars, give talks at international conferences and attend veterinary congresses as exhibitors and speakers. Each of these areas has a different focus, but with one main aim - engage the veterinary community in important issues surrounding disease management and prevention.

To receive our monthly newsletter send an email to admin@battlab.com



Sampling Requirements

Profiles for all mammals. Haematology: 1ml blood in EDTA, whenever possible with air dried blood films. Biochemistry: 1ml serum, preferably separated before submission, 0.5ml blood in oxalate fluoride for glucose.

Profiles for birds and reptiles. Haematology and biochemistry: 0.5-1ml heparinised blood, preferably with air dried blood films.

Small animal gastroenterology. Haematology and biochemistry profiles as above. Plus 1ml serum for TLI, 1ml serum for folate and vitamin B12, separated before submission. Plus 2-5 g fresh faeces for parasitology and microbiology. Permeability testing: 3 ml serum taken 120 minutes after oral administration of multiple sugar solution – provided on request.

Haematology and autoimmunity. As above, plus 1ml blood in EDTA for blood group and Coombs test, 1 ml blood in sodium citrate per assay for activated partial thromboplastin time (APTT), prothrombin time (PT), fibrinogen, factor VIII and von Willebrands antigen, and 1ml serum per assay for antinuclear antibody (ANA), rheumatoid factor and erythropoietin.

Endocrinology. 0.5ml separated serum for each test (plain tube with or without gel, no gel for progesterone). Contact lab for sampling protocols for insulin, PTH, ionised calcium, endogenous ACTH and proBNP.

Serology and virology. Each antibody assay needs 0.5ml separated serum. Assay of FeLV antigen plus FIV antibody by ELISA also requires 0.5ml serum. Detection of viral, bacterial or parasite antigens by PCR of nucleic acid is performed on 1ml blood in EDTA and/or relevant fluids, tissues or excretions eg oculo-nasal discharge, peritoneal fluid, skin, tick, faeces.

Therapeutic monitoring. 0.5ml separated serum:

ACTH stimulation test for HAC: start test 2-3 hrs after dose of Vetoryl.

Digoxin: 6 hrs after dose.

Phenobarbitone: midway between doses: eg 6 hrs if given twice/day.

Potassium bromide: anytime after dose (long half-life >20 days).

T4 for hyperthyroidism in cats: 4-6 hrs after dose of Felimazole or anytime after Vidalta.

T4 and cTSH for hypothyroidism in dogs: 4-8 hrs after dose of Soloxine or Thyforon.

Parasitology. Faeces, blood or skin scrapes.

Cytology and histopathology. Air dried smears for fine needle aspirates and bone marrow cytology, with EDTA and plain tubes for fluids, which are also analysed for cell count and protein content when relevant. Buffered formalin (10%) fixed tissue for histopathology. Please note there is no additional charge for exotic animals, including rabbits, rodents, ferrets, reptiles and birds. We reserve the right to make an extra charge when cytology or histology samples from more than three sites are submitted.

Allergy services. Each group of allergy tests needs 1ml serum.

Genetics. 1ml blood in EDTA is suitable for all genomic DNA tests. Contact us for suitability, supply and use of cheek brushes for DNA tests and for information on paternity and identity testing.

PCR testing. Plain swabs recommended, as charcoal swabs can result in false negative results.

Please don't hesitate to contact us to clarify any sampling requirements.



Courier Service

Batt Laboratories Ltd continues to provide its [free local courier service](#) for those in the local area. This service delivers many of our tests with same day results.

In the second half of 2018, the [free national courier service](#) was also launched! The national courier service provides afternoon collections with samples delivered to the laboratory by 9am the next morning and delivering same day results for the majority of laboratory tests.

To register for a courier or to check which service is available in your area please call on 02476 323275 or send an email to admin@battlab.com.

We also continue to offer our free post labels that are available to download from our website www.battlab.com.

Supplies and Sample Submission

Supplies including blood tubes (EDTA, serum, sodium citrate, oxalate fluoride), swabs, universals, faecal pots, biohazard bags and submission forms, are provided free on request to our clients.

Please ensure that all samples are labelled with the owners name or reference code and date of submission, and sent with our submission forms in sealed bags.

If you would like to know more about the services we provide please do not hesitate to contact us by phone on 02476 323275 or email us at admin@battlab.com

Veterinary Consultation and Advice

Batt Laboratories Ltd provides veterinary consultation and interpretation services on a professional to professional basis. The test protocols and interpretations are based on experience and recommendations from current veterinary literature. However, test results and advice must be considered in conjunction with physical examination and other information on the patient collected by the primary care veterinary surgeon who has the ultimate responsibility for decisions on diagnosis and treatment.

Subscription for Newsletters

Please contact us to subscribe to our Monthly Newsletter. This will help keep you up to date regarding new tests, clinical cases, seminars and much more.

Terms and conditions

Please visit the link www.battlab.com/terms-and-conditions

Turnaround time

Please be aware that turnaround times greater than same day may rarely be subject to unforeseen delays caused by export to our main laboratory in Germany.

**BattLab is proud of supporting Guide Dogs
and West Midlands Police dog unit**



Small Animal Profiles

All tests include full reporting unless otherwise stated

Profile	Includes	Code	Sample	Comments	Turnaround	Price
CANINE 1	FBC, Total Protein, Albumin, Globulin, Urea, Creatinine, Na, Cl, K, ALP, ALT, Total Bilirubin, Glucose	CAN1	EDTA, Serum, Ox-F and blood smear	General Health Screen	Same day	£44.00
CANINE 2	FBC, Total Protein, Albumin, Globulin, Urea, Creatinine, Na, Cl, K, P, Ca, ALP, GGT, ALT, AST, Total Bilirubin, Bile Acids, Cholesterol, Triglycerides, DGGR Lipase, CK, Glucose	CAN2	EDTA, Serum, Ox-F and blood smear	Extensive Health Screen	Same day	£62.00
CANINE 3	CANINE 2 plus TLI, Folate, B12 (Cobalamin)	CAN3	EDTA, Serum, Ox-F and blood smear	Comprehensive profile for systemic, metabolic and gastrointestinal disease	Same day. Canine TLI/Folate/ Vit B12 are run Monday, Wednesday and Friday	£97.00
CANINE 4	CANINE 2 plus Total T4	CAN4	EDTA, Serum, Ox-F and blood smear	Senior profile	Same day	£73.00
CANINE 5	CANINE 2 and URINE 2 (Sediment microscopy, biochemistry, SG, Protein:Creatinine ratio)	CAN5	EDTA, Serum, Ox-F, blood smear and Urine	PU/PD, Urinary tract disease	Same day	£75.50
CANINE 6	CANINE 2 plus Leishmania (ELISA) plus Serum protein electrophoresis (SPE) and Urinary Protein:Creatinine ratio (UPC)	CAN6	EDTA, Serum, Ox-F, blood smear and urine	Comprehensive profile for diagnosis/monitoring Leishmania cases	Same day. SPE and Leishmania ELISA up to 4 days.	£126.00
Canine inflammatory profile	FBC, Albumin, Globulin, CRP	INFD	EDTA, Serum	Evaluation/monitoring inflammatory status in dogs	Same day, 2 - 4 days for CRP	£56.50
FELINE 1	FBC, Total Protein, Albumin, Globulin, Urea, Creatinine, Na, Cl, K, Ca, ALP, ALT, Total Bilirubin, Glucose	FEL1	EDTA, Serum, Ox-F and blood smear	General Health Screen	Same day	£44.00
FELINE 2	FBC, Total Protein, Albumin, Globulin, Urea, Creatinine, Na, Cl, K, P, Ca, ALP, GGT, ALT, AST, Total Bilirubin, Bile Acids, Cholesterol, Triglycerides, DGGR Lipase, CK, Glucose	FEL2	EDTA, Serum, Ox-F and blood smear	Extensive Health Screen	Same day	£62.00
FELINE 3	FBC, Total Protein, Albumin, Globulin, Urea, Creatinine, Na, Cl, K, P, Ca, ALP, GGT, ALT, AST, Total Bilirubin, Bile Acids, Cholesterol, Triglycerides, DGGR Lipase, CK, Glucose, FeLV and FIV ELISA	FEL3	EDTA, Serum, Ox-F and blood smear	Systemic, metabolic disease, screen for FeLV/FIV	Same day	£75.00
FELINE 4	FELINE 2 plus serum protein electrophoresis (SPE) + FCoV antibodies	FEL4	EDTA, Serum, Ox-F and blood smear	Comprehensive profile for suspected FIP cases	Same day. SPE and FCoV antibodies up to 4 days	£102.00

Small Animal Profiles

All tests include full reporting unless otherwise stated

Profile	Includes	Code	Sample	Comments	Turnaround	Price
FELINE 5	FELINE 2 plus Folate, B12 (Cobalamin)	FEL5	EDTA, Serum, Ox-F and blood smear	Comprehensive profile for systemic, metabolic and gastrointestinal disease	Same day. Folate/Vit B12 are run Monday, Wednesday and Friday	£79.00
FELINE 6	FELINE 2 plus Total T4	FEL6	EDTA, Serum, Ox-F and blood smear	Senior profile	Same day	£73.00
FELINE 7	FELINE 2 and URINE 2 (Sediment microscopy, biochemistry, SG, Protein:Creatinine ratio) + Magnesium	FEL7	EDTA, Serum, Ox-F, blood smear and Urine	PU/PD, Urinary tract disease	Same day	£74.00
Feline inflammatory profile	FBC, Albumin, Globulin, SAA	INFF	EDTA, serum	Evaluation/monitoring inflammatory status in cats	Same day, 2 - 4 days for SAA	£64.00
Health Screen	FBC (cell counts only), Total Protein, Albumin, Globulin, Urea, Creatinine, ALP, ALT, Total Bilirubin, Glucose	SAH	EDTA, Serum, Ox-F	Health check, preanaesthetic screen. NO interpretation and NO blood smear examination provided.	Same day	£28.00
Small Liver and Kidney Screen	Total Protein, Albumin, Gobulin, Urea, Creatinine, ALP, ALT, Bile acids, Total Bilirubin	LKS	Serum	NEW! Abbreviated liver/ kidney screen	Same day	£33.00
Liver profile	Total Protein, Albumin, Globulin, Urea, ALP, GGT, ALT, AST, Total Bilirubin, Bile Acids, Cholesterol, Glucose	LIVP	Serum, Ox-F	Monitoring liver function	Same day	£34.50
Kidney profile	Total Protein, Albumin, Globulin, Urea, Creatinine, Cholesterol, Na, Cl, K, P, Ca, Glucose, USG, UPC	KID	Serum, Ox-F, Urine	Monitoring kidney function	Same day	£40.50
Pre surgery profile	FBC, ALT, ALP, Total Protein, Albumin, Globulin, Urea, Creatinine, PT, aPTT	SURG	EDTA, serum, citrate plasma	Pre-surgery profile	Same day	£64.50
Diabetes mellitus check	Glucose, Fructosamine, K, USG, Urine glucose	DIAB	Serum, Ox-F, Urine	To investigate possible diabetes mellitus	Same day	£45.00

Add-on

All tests include full reporting unless otherwise stated

Profile	Code	Sample	Comments	Turnaround	Price
Canine T4	KT4+	Serum	Canine	Same day	£21.00
Feline T4	T4+	Serum	Feline	Same day	£21.00
TSH	TSH+	Serum	Canine/Feline	Same day	£21.00
SDMA	SDM+	Serum	Canine/Feline	2 - 4 days	£29.00
Fructosamine	FRU+	Serum	Canine/Feline	Same day	£19.00
PLI	FPL+/CPL+	Serum	Canine/Feline	2 - 4 days	£62.00

These reduced charges apply when the tests above are added to a small animal profile.

Small Mammal, Avian and Reptile Profiles

All tests include full reporting unless otherwise stated

Profile	Includes	Code	Sample	Turnaround	Price
Rabbit/Small Mammal 1	FBC, Total Protein, Albumin, Globulin, Urea, Creatinine, Na, Cl, K, ALP, ALT, Bilirubin, Glucose	RB1	EDTA, Serum, Ox-F and blood smear	Same day	£44.00
Rabbit/Small Mammal 2	FBC, Total Protein, Albumin, Globulin, Urea, Creatinine, Na, Cl, K, P, Ca, ALP, GGT, ALT, AST, Bilirubin, Bile acids, Cholesterol, Triglycerides, CK, Glucose	RB2	EDTA, Serum, Ox-F and blood smear	Same day	£62.00
Avian 1	FBC, Total Protein, Albumin, Globulin, Uric acid, Na, Cl, K, GGT, AST, CK, Glucose	AV1	0.5 - 1.0 ml Heparinized whole blood and blood smear	1 day	£65.00
Avian 2	FBC, Total Protein, Albumin, Globulin, Uric acid, Na, Cl, K, P, Ca, GGT, AST, Bile acids, Cholesterol, CK, Glucose	AV2	0.5 - 1.0 ml Heparinized whole blood and blood smear	1 day	£75.00
Reptile 1	FBC, Total Protein, Uric acid, Ca, P, GLDH, ALP	REP1	0.5 - 1.0 ml Heparinized whole blood and blood smear	1 day, 2 - 4 days for GLDH	£69.00
Reptile 2	FBC, Total Protein, Uric acid, Ca, P, Na, K, GLDH, ALP, ALT, AST, Bile acids, CK, Triglycerides, Cholesterol, Urea	REP2	0.5 - 1.0 ml Heparinized whole blood and blood smear	1 day, 2 - 4 days for GLDH	£76.00

Equine Profiles

All tests include full reporting unless otherwise stated

Profile	Includes	Code	Sample	Comments	Turnaround	Price
Health Screen	FBC, Total Protein, Albumin, Globulin, Fibrinogen, Urea, Creatinine, Na, Cl, K, ALP, GGT, AST, CK, Glucose, Triglycerides	EQ1	EDTA, Serum, Ox-F and blood smear		Same day (2 - 4 days for fibrinogen)	£55.00
Systemic Disease Profile	FBC, Total Protein, Albumin, Globulin, Fibrinogen, Urea, Creatinine, Na, Cl, K, Ca, ALP, GGT, AST, GLDH, Bilirubin, Bile acids, CK, Glucose, Triglycerides, Fe, P, Cu, Zn, Se	EQ2	EDTA, Serum, Ox-F and blood smear	Including trace minerals	Same day (2 - 4 days for fibrinogen and trace minerals)	£69.00
Senior profile	GGT, GLDH, Lipase (DGGR), Bilirubin, Triglycerides, Glucose, Total Protein, Albumin, Globulin, Urea, Creatinine, PO4, Ca, Zn, Se, SDMA	EQ3	Serum, Ox-F	NEW!	3 - 5 days	£65.00
Performance profile	AST, ALP, GGT, GLDH, LDH, CK, Total Protein, Albumin, Globulin, Bilirubin, Cholesterol, Triglycerides, Glucose, Lactate, Urea, Creatinine, PO4, Ca, Mg, K, Na, Fe	EQ4	Serum, Ox-F	NEW!	3 - 5 days	£55.00
Foal profile	Triglycerides, Urea, Creatinine, Total Protein, GGT, Na, Ca, MG, PO4 + Serum Protein Electrophoresis (SPE)	FOAL	Serum, Ox-F	NEW!	3 - 5 days	£55.00
Mineral profile	Mn, Zn, Se, Cu, Na, K, Ca, Mg, P, Cl, Fe	MINE	Serum or heparin plasma		3 - 5 days	£63.00
Equine PPID Profile	Insulin, Glucose, Endogenous ACTH	PPID	Serum + separated chilled EDTA plasma + Ox-F	- Serum and EDTA plasma have to be transferred into plain tubes and then kept chilled. - Contact the laboratory for advice on sending samples that must arrive chilled or frozen. - Insulin samples may be basal (>4h since any hard feed) or following oral carbohydrate challenge ((60-90 mins after 0.45mls/kg Karo light syrup or 2h after 1g/kg dextrose powder)	1 - 3 days	£77.00
Equine Metabolic Syndrome (EMS) Profile	Insulin, Glucose, Triglycerides, Adiponectin	EMS	Serum + Ox-F	Insulin sample may be basal (>4h since any hard feed) or following oral carbohydrate challenge (60-90 mins after 0.45mls/kg Karo light syrup or 2h after 1g/kg dextrose powder)	1 - 3 days	£78.00

Farm Animal Profiles

All tests include full reporting unless otherwise stated

Profile	Includes	Code	Sample	Comments	Turnaround	Price
Bovine Profile	FBC plus ALP, GGT, Bilirubin, Cholesterol, Glucose, AST, LDH, GLDH, CK, Total Protein, Albumin, Globulin, Urea, Creatinine, Ca, Mg, K, Na, Fe, P, Cu, Zn, Se, Triglycerides	BO1	EDTA, Serum, Ox-F and blood smear	Including trace minerals	Same day for FBC and most biochemistry parameters. 2 - 4 days for GLDH and trace minerals	£69.00
Ruminant Performance Profile	FBC plus Total Protein, Urea, Cholesterol, GLDH, NEFA, CK, AST, GGT, Bilirubin, Ca, Phos, Mg, β -HBS, Glutathione Peroxidase	RU1	EDTA, Serum, Ox-F and blood smear		Same day for FBC. 2-4 days for other parameters	£42.00
Downer cow Profile	Ca, P, Mg, AST, CK, Urea, Total Protein	BO2	Serum		Same day	£26.00
Ketosis Profile	GLDH, GGT, Bilirubin, Total Protein, β -HBS, NEFA, Cholesterol, Urea	BO3	Serum		2 - 4 days	£26.50
Muscular Screening	CK, α HBDH, AST, LDH, Na, K, Ca, PO ₄ , Mg, Fe	MUSC	SErum	NEW!	3 - 5 days	£26.50
Heavy Metal Toxicity Screening	Arsenic, Lead, Cadmium, Chrome, Copper, Manganese, Mercury, Thallium, Zinc	HMT1	EDTA, serum, heparin blood	NEW!	~10 days	£198.00
Fertility Profile	AST, Ca, Na, PO ₄ , Mg, β -HBA, NEFA	FERT	Serum	NEW!	3 - 5 days	£26.50
Mineral Profile 1	Ca, Na, P, Mg, Se, Zn, Cu	RUM1	Serum		2 - 4 days	£32.00
Mineral Profile 2	Ca, Na, P, Mg, Se, Zn, Cu, Mn, K, Cl, Fe	RUM2	Serum		2 - 4 days	£61.00
Porcine Profile	FBC plus GGT, GLDH, Bilirubin, ALT, AST, Total Protein, CK, Urea, Creatinine, Ca, P, Na, Mg, K, Se, Zn, Cu	POR1	EDTA, Serum, Ox-F and blood smear	Including trace minerals	Same day for FBC and most biochemistry parameters. 2 - 4 days for GLDH and trace minerals	£57.50
Llama/Alpaca Profile	FBC plus ALP, GGT, GLDH, Bilirubin, Cholesterol, Triglycerides, Glucose, AST, CK, Total Protein, Albumin, Globulin, Urea, Creatinine, Ca, P, Na, Mg, K, Fe, Se, Zn, Cu	CAM1	EDTA, Serum, Ox-F and blood smear	Including trace minerals	Same day for FBC and most biochemistry parameters. 2 - 4 days for GLDH and trace minerals	£67.50

All reports (except health screen SAH) include a written interpretation/comment by a veterinary clinical pathologist.

Spun gel/serum separation should ideally be performed within 30 minutes of collection. Unseparated serum will result in inaccurate results. If Fluoride/Oxalate tubes are used for glucose measurement, please ensure they are filled to the proper level.

Gastroenterology - Canine/Feline

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comments	Turnaround	Price
Gastro 1	FBC, TP, Albumin, Globulin, Urea, Creatinine, Na, Cl, K, P, Ca, ALP, GGT, ALT, AST, Bilirubin, Bile acids, Cholesterol, Triglycerides, DGGR Lipase, CK, Glucose, TLI, Folate, Cobalamin (Vit B12)	GE1	EDTA, Serum, Ox-F and Blood smear	Canine only	Same day. TLI/Folate/Vit B12 are run Monday, Wednesday and Friday	£99.00
Gastro 2	Canine TLI, Folate, Cobalamin (Vit B12)	GE2	Serum	Canine only	Run Mon/Wed/Fri	£69.00
Gastro 3	Canine TLI	GE3	Serum	Canine only	Run Mon/Wed/Fri	£41.00
Gastro 4	Folate, Cobalamin (Vit B12)	GE4	Serum	Canine only	Run Mon/Wed/Fri	£41.00
Gastro 5	FBC, TP, Albumin, Globulin, Urea, Creatinine, Na, Cl, K, P, Ca, ALP, GGT, ALT, AST, Bilirubin, Bile acids, Cholesterol, Triglycerides, DGGR Lipase, CK, Glucose, Folate, Cobalamin (Vit B12)	GE5	EDTA, Serum, Ox-F and Blood smear	Feline only	Same day. Folate/Vit B12 are run Monday, Wednesday and Friday	£80.00
Gastro 6	Feline TLI, Folate, Cobalamin (Vit B12)	GE6	Serum	Feline only	Folate and Cobalamin run Mon/Wed/Fri. Feline TLI run once a week.	£92.00
Gastro 7	Feline TLI	GE7	Serum	Feline only	Performed weekly	£63.00
Gastro 8	Folate, Cobalamin (Vit B12)	GE8	Serum	Feline only	Run Mon/Wed/Fri	£41.00
Gastro 9*	Faecal Parasites and Bacterial pathogens	GE9	Fresh Faeces	All species	1 - 4 days	£54.00
Gastro 10*	Faecal Bacterial pathogens (E. coli, Campylobacter, Salmonella)	GE10	Fresh Faeces	All species	1 - 4 days	£39.50
Gastro 11	Faecal Pathogenic E. coli (EPEC, VTEC)	GE11	Fresh Faeces	Canine/Feline	Performed weekly	£55.00
Gastro 12	Faecal Pathogenic E. coli (EPEC, VTEC, ETEC)	GE12	Fresh Faeces	Canine/Feline	Performed weekly	£65.00
Gastro 13	Autologous E. coli Vaccine	GE13	Fresh Faeces	Long-term management of pathogenic E. coli. Written prescription is required to proceed with the request.	Performed weekly	£55.00
Gastro 14	Intestinal permeability assessment via lactulose and rhamnose	GE14	Serum, 3 ml at 120 min post	Canine only. Please contact the laboratory for the provided solutions and instructions	Up to 4 weeks	£105.00
Gastro 18*	Faecal Parasites, Bacterial pathogen culture and Giardia antigen test	GE18	Fresh Faeces	Canine/Feline	Same day for Giardia, 2-4 days for other results	£66.00
PLI	Pancreatic Specific Lipase	CPLI/ FPLI	Serum	Canine/Feline	2 - 4 days	£67.50
Vitamin B12 (Cobalamin)	B12	B12	Serum	Canine/Feline	Run Mon/Wed/Fri	£26.50

* Sensitivity testing will be performed in very selected cases and when appropriate (always when Salmonella is cultured and/or when Campylobacter growth is persistent)

Gastroenterology - Canine/Feline

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comments	Turnaround	Price
Folate / Folic acid	FOL	FOL	Serum	Canine/Feline	Run Mon/ Wed/Fri	£26.50
Juvenile Diarrhoea Profile*	Faecal Parasites, Bacterial pathogen culture (E. coli, Campylobacter, Salmonella) and Parvovirus antigen	GE16	Fresh Faeces		Same day for Parvovirus, 1 - 3 days for other results	£78.00
Occult blood test		OCC	Fresh Faeces	The patient must be fed a diet free from red meat, blood, liver, kidneys, fish with dark meat, tomatoes, cauliflower, horseradish, turnips, melon, banana, and soy beans for 4 days prior to sampling in order to avoid false positive results. Iron tablets should also be avoided prior to testing.	1 - 2 days	£42.00
Endoparasites	Faecal parasites	ENDO	Fresh Faeces	Any Species	Same - 1 day	£21.00
Baermann Lungworm Detection	Lungworm larvae	LUNG	3 day pooled faeces	Canine/Feline	Same - 1 day	£24.50
Endoparasites and Giardia Antigen	Faecal parasites plus Giardia antigen test	GE17	Fresh Faeces	Canine/Feline	Same - 1 day	£38.00
Cryptosporidium Antigen		CRYE	Fresh Faeces	EIA. PCR also available in the dedicated section.	3-5 days	£32.00
Giardia Antigen		GIA	Fresh Faeces or 3 day pooled Faeces	ICG. PCR also available in the dedicated section.	Same day	£20.00
Parvovirus antigen		PARV	Fresh Faeces	Canine/Feline ICG. PCR and serology also available in the dedicated sections	Same day	£32.00
Clostridium difficile Toxin A and B		CDAB	Fresh Faeces	ELISA	2 - 4 days	£46.50
Clostridium perfringens Enterotoxin		CLP	Fresh faeces	ELISA	2 - 4 days	£46.50
Rotavirus antigen		ROTA	Fresh faeces	EIA	2 - 4 days	£28.00
Pancreas elastase		ELAS	Fresh faeces	Canine only	3 - 5 days	£35.00

* Sensitivity testing will be performed in very selected cases and when appropriate (always when Salmonella is cultured and/or when Campylobacter growth is persistent)

Gastroenterology - Canine/Feline

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comments	Turnaround	Price
α-1-Antitrypsin		ANTI	Fresh faeces		~1 week	£28.00
Calprotectin		CALP	Fresh faeces	Canine/Feline	2 - 4 days	£33.00
Dysbiosis Analysis	key bacteria microbiome quantitative	DYSA	Fresh faeces	Canine/Feline	~1 week	£105.00
Dysbiosis Profile	key bacteria microbiome quantitative (PCR), mycology, calprotectin, pancreatic elastase (dog), microscopic nutritive digestion (cat), endoparasites.	DYSP	Fresh faeces	Canine/Feline	~1 week	£144.00
Faecal egg count (modified McMaster)	egg count per gram of faeces	FEC	Fresh faeces		2 - 4 days	£33.00
Coronavirus PCR		CORP (dog), FIPP (cat)	Fresh Faeces	Canine/Feline	2 - 4 days	£50.50
Cryptosporidium PCR		XCRY	Fresh Faeces	Canine/Feline	2 - 4 days	£50.50
Giardia species PCR		GIAP	Fresh faeces or 3 day pooled faeces	Canine/Feline	2 - 4 days	£50.50
Parvovirus (CPV/FPV) PCR		PARP	Fresh Faeces	Canine/Feline	2 - 4 days	£50.50
Salmonella species PCR		XSAL	Fresh Faeces	Canine/Feline	2 - 4 days	£50.50
Tritrichomonas PCR		TRIC	3 day pooled faeces (keep at room temperature)	Feline	2 - 4 days	£50.50

Other PCRs also available (see dedicated PCR section)

Gastroenterology - Equine

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comments	Turnaround	Price
Large Faecal Profile	Bacterial pathogens including Salmonella, Mycology, gas producers, Clostridium perfringens enterotoxin, Clostridium difficile toxin A and B, Endoparasites, Coronavirus	FEP	Fresh faeces		3 - 5 days	£97.00
Small Faecal Profile	Bacterial pathogens including Salmonella, Mycology, Endoparasites	GE10	Fresh faeces		1 - 4 days	£39.50
Foal Faecal Profile	Bacterial pathogens including Salmonella, Mycology, gas producers, Clostridium perfringens enterotoxin, Endoparasites, Rotavirus	FFFP	Fresh faeces		2 - 4 days	£97.00
Dysbiosis Analysis	Key bacteria microbiome quantitative (PCR)	DYSH	Fresh faeces	NEW!	~ 1 week	£110.00
Equine endoparasite profile	Endoparasites, Faecal egg count (modified McMaster)	EEPP	Fresh faeces		3 - 5 days	£42.00

For more tests (e.g. endoparasites, bacterial pathogens), please refers to dog/cat and PCR sections

Gastroenterology - Farm Animal

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Turnaround	Price
Bovine Faecal Profile	Endoparasites, Bacteriology incl. Salmonella, Mycology, Mycobacteria avium ssp. paratuberculosis (PCR)	FBP	Fresh faeces	~ 4 days	£87.00
Calf Faecal Profile	Rotavirus, Coronavirus, Cryptosporidium, K99 (E. coli fimbrial antigen)	FCP	Fresh faeces	~ 4 days	£49.00
Calf Faecal Profile - Large	Bacteriology incl. Salmonella, Mycology, Endoparasites, Rotavirus, Coronavirus	FCPL	Fresh faeces	~ 4 days	£89.00
Piglet Faecal Profile	Bacteriology incl. Salmonella, Mycology, Endoparasites, Rotavirus, Coronavirus, Clostridium perfringens enterotoxin	CPP	Fresh faeces	~ 4 days	£109.00
Porcine Faecal Profile	Bacteriology incl. Salmonella, Mycology, Lawsonia intracellularis (PCR)	FPOR	Fresh faeces	~ 4 days	£81.00

For more tests (e.g. endoparasites, bacterial pathogens), please refers to dog/cat and PCR sections

Haematology

All tests include full reporting unless otherwise stated

Profile	Includes	Code	Sample	Comments	Turnaround	Price
Complete Blood Count	White blood cell count, red blood cell count, platelet count, haemoglobin, HCT, MCV, MCHC, MCH, RDW, leukocyte differential count, morphology assessment and reticulocyte count (when appropriate and/or requested)	FBC1	EDTA and blood smear		Same day	£32.50
Avian Blood Count	PCV, haemoglobin, leukocyte estimate and differential count, platelet comment. Morphology assessment	FBC2	EDTA or Heparin and blood smear		Same day	£42.50
Reptile Blood Count	PCV, haemoglobin, leukocyte estimate and differential count, platelet comment. Morphology assessment	FBC3	EDTA or Heparin and blood smear		Same day	£42.50
Blood Smear Examination		FILM	Blood smear	Blood smears submitted without whole blood are examined by highly trained haematology technicians. If a CBC was performed on an in-clinic analyzer, please send results from the analyzer along with the blood smears to facilitate interpretation by the pathologist.	Same day	£27.50
Canine Coombs Test		COO	EDTA	To confirm IMHA	Same day	£36.00
Equine Coombs Test		COO1	EDTA	To confirm IMHA	2 - 4 days	£36.00
Feline Coombs Test		COO1	EDTA	To confirm IMHA. Testing performed at 37°C and 4°C	2 - 4 days	£36.00
Canine Blood Typing		CBG	EDTA		2 - 4 days	£46.00
Feline Blood Typing		FBG	EDTA		2 - 4 days	£46.00
Serum iron and Total Iron Binding Capacity (TIBC)		SIDE	Serum	To confirm iron deficiency state.	1 - 2 weeks	£105.00

Coagulation

All tests include full reporting unless otherwise stated

Profile	Includes	Code	Sample	Comments	Turnaround	Price
Coagulation Screen	Complete blood count, aPTT and PT	CP1	EDTA, Citrate and blood smear	Sample collection and handling as below for citrate sample	Same day	£51.00
Activated Partial Thromboplastin Time (aPTT) and Prothrombin Time (PT)		APT2	Citrate plasma	• Fill blood to the line of a citrate tube • Gently invert several times to mix thoroughly • Centrifuge immediately • Transfer plasma into a plain tube and label "Citrated plasma" • Freeze or keep chilled	Same day	£36.00

Activated Partial Thromboplastin Time (aPTT)		APTT	Citrate plasma	Sample collection and handling as above	Same day	£21.00
Prothrombin Time (PT)		PT	Citrate plasma	Sample collection and handling as above	Same day	£21.00
D dimers		DDIM	Citrate plasma	Sample collection and handling as above	2 - 3 days	£57.00
DIC profile	Complete blood count, PT, aPTT, D-dimers, fibrinogen	DIC	EDTA, Citrate and blood smear	Sample collection and handling for citrate sample as above	Same day for FBC, PT and aPTT, 2-3 days for D-dimers and fibrinogen	£91.00
Fibrinogen		FIB	Citrate plasma	Sample collection and handling as above	2 - 4 days	£21.00
Coagulation factors			Frozen citrated plasma	Please contact the laboratory!		
von Willebrand Antigen		VONW	Citrate plasma	Sample collection and handling as above	Up to 2 week	£95.00
von Willebrand Disease Type I DNA Test		VW1	EDTA or Buccal Swabs	Doberman, Manchester Terrier, Miniature Poodle, Standard Poodle, Toy Poodle, Pembroke Welsh, Corgi, German Pinscher, Bernese Mountain Dog, Standard Poodle, Drentsche Patrijshond, Coton de Tulear, Kerry Blue Terrier, Papillon, Stabyhond, Labradoodle	2 - 3 weeks	£42.00
von Willebrand Disease Type II DNA Test		VW2	EDTA or Buccal Swabs	German Wirehaired Pointer, German Shorthair Pointer	2 - 3 weeks	£42.00
von Willebrand Disease Type III DNA Test		VW3	EDTA or Buccal Swabs	Scottish Terrier, Shetland Sheepdog, Dutch Kooiker (Kooikerhondje)	2 - 3 weeks	£42.00

Clinical Chemistry

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comments	Turnaround	Price
Single biochemistry test: Total Protein, Albumin, Globulin, Urea, Creatinine, Na, Cl, K, P, Ca, ALP, GGT, ALT, AST, Total Bilirubin, Cholesterol, Triglycerides, Amylase, DGGR Lipase, CK, Glucose, etc..		Serum, Ox-F for glucose	Please note that the preferred sample for glucose is a centrifuged gel tube or separated serum. Spun gel/serum separation should be performed within 30 minutes of collection. If Sodium Fluoride/Potassium Oxalate tubes are used, please ensure they are filled to the proper level	Same day	£8.50
Biochemistry tests added to profile (same as above)		Serum, Ox-F for glucose		Same day	£5.00
Alpha 1 glycoprotein (AGP)	AGP	Serum		2 - 4 days	£36.00
Beta hydroxybutyrate	BHB	Serum		2 - 4 days	£11.50

Bile acids	BA	Serum		Same day	£16.00
Bile acids stimulation test	BA1	Serum	Pre: Collect after a 12 hour fast Post: Collect 2 hours after feeding a small meal (~2 - 3 tablespoons)	Same day	£27.00
Brain Natriuretic Peptide (Nt-proBNP)	BNP	EDTA plasma	EDTA plasma should be fresh (<24h) and separated	1 week	£79.00
Cadmium	CADM	Serum		1 week	£54.50
Canine prostate specific esterase (CPSE)	CPSE	Serum	Canine only	2 - 4 days	£55.00
Cobalt	COB	Serum		1 week	£42.00
Cholesterol (HDL)	CHOH	Serum		2 - 4 days	£35.50
Cholesterol (LDL)	COHL	Serum		2 - 4 days	£35.50
Copper	COPR	Serum		2 - 4 days	£35.50
C reactive protein (CRP)	CRP	Serum	Canine only	2 - 4 days	£23.50
Cystatin C	CYSC	Serum		2 - 4 days	£33.00
Folate / Folic acid	FOL	Serum	Canine/Feline	Run Mon/Wed/Fri	£26.50
Free fatty acids (NEFA)	NEFA	Serum		2 - 4 days	£16.50
Fructosamine	FRU	Serum		Same day	£22.50
Glutathione peroxidase	GLPX	EDTA/heparin		2 - 4 days	£23.50
GLDH	GLDH	Serum		2 - 4 days	£9.50

Clinical Chemistry

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comments	Turnaround	Price
Haptoglobin	HAP	Serum		2 - 4 days	£31.50
α HBDH	HBDH	Serum		2 - 4 days	£9.50
Ionised calcium	CA+	Serum	- Collect into a plain serum tube (no gel) ensuring the tube is completely filled without any air bubbles - Allow blood to clot (~15 - 20 min), centrifuge and transfer serum into a plain airtight tube, completely filling it (NO air)	2 days	£38.00
Iron	IRON	Serum		2 - 4 days	£10.00
LDH	LDH	Serum		2 - 4 days	£9.50
Lead	LEAD	Whole EDTA or Heparin		1 week	£33.00

Magnesium	MAG	Serum		Same day	£9.50
Manganese	MANG	Serum		2 - 4 days	£34.50
Pancreatic Specific Lipase	CPLI/ FPLI	Serum	Canine/Feline	2 - 4 days	£67.50
Selenium	SEL	Serum		2 - 4 days	£22.50
SDMA	SDMA	Serum		2 - 4 days	£33.50
Serum Amyloid A (SAA)	SAA	Serum		2 - 4 days	£32.00
Serum electrolytes 1	ELE1	Serum	Sodium, Potassium, Chloride, Na/K ratio	Same day	£17.50
Serum electrolytes 2	ELEC	Serum	Sodium, Potassium, Chloride, Na/K ratio, Calcium, Phosphorus	Same day	£26.50
Taurine	TAU	1 ml separated Frozen Heparin Plasma	Cannot run on haemolysed samples	up to 2 weeks	£99.00
Thallium	TALL	Urine		1 week	£54.50
Thymidine kinase	THMK	Frozen Serum		up to 2 weeks	£153.00
TLI (canine)	GE3	Serum	Canine only	Run Mon/ Wed/Fri	£41.00
TLI (feline)	GE7	Serum	Feline only	Performed weekly	£63.00
Troponin I	TROP	Frozen serum	No gel tubes	2 - 4 days	£55.00
Uric acid	UA	Serum		Same day	£9.50

Clinical Chemistry

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comments	Turnaround	Price
Vitamin B12 (Cobalamin)	B12	Serum	Canine/Feline	Run Mon/ Wed/Fri	£26.50
Vitamin D3 (25 OH)	VITD	Frozen serum	Serum taken after overnight fast, should be frozen and not be exposed to sunlight	1 - 2 weeks	£139.00
Other vitamins		Serum	Contact the laboratory		
Zinc	ZN	Serum	Zinc free serum tubes	2 - 4 days	£33.00

Therapeutic drug monitoring and toxicology tests

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comments	Turnaround	Price
Phenobarbital	PHE	At least 0.5 ml serum	No gel tubes. To be checked after a minimum of 2-3 weeks of treatment or dose changing. Peak: 4-8 hours post-pill. Trough: Immediately prior to next dose (usually 12h). First monitoring requires peak and trough sampling. Further monitoring requires one sample only, collected any time of the day.	Same day	£32.50
Phenobarbital Peak and Trough samples	PHE1	At least 0.5 ml serum		Same day	£55.00
Bromide	KBR	At least 0.5 ml serum	No gel tubes. To be checked after a minimum of 120 days of treatment, unless loading dose given. Peak: There is no peak collection time due to the long half-life of bromide. Trough: Immediately prior to next dose	2 days	£44.00
Cyclosporin	CYCL	1ml EDTA	No gel tubes. Peak: 2-4 hours post-pill. Trough: 12 hours following the last dose	3 - 4 days	£56.50
Cortisol	COR	Serum	No gel tubes. See endocrinology - adrenal section for tests to monitor hyperadrenocorticism	Same day	£29.50
Digoxin	DIG	At least 0.5 ml serum	No Gel tubes. After a minimum of 3-5 days of treatment 6-8 hours post-pill	2 days	£36.00
Levetiracetam (Keppra)	KEP	At least 1 ml serum	No Gel tubes. Collect at trough directly before next dose	3 - 4 days	£64.00
Extensive toxicology screen	TOX1	Heparin blood, urine, fresh tissue, contaminated material, stomach content	Screening for 30,000 drugs and toxins including antiarrhythmics, analgesics, anticonvulsants, antidepressants, antihistamines, barbiturates, benzodiazepines, toxins, NSAIDs, phenothiazines, caffeine, chocolate, ketamine	~1 week	£219.00
Heavy metal toxicity screen	HMTS	Serum+EDTA+Urine		~1 week	£189.00
Ethylene glycol	TOX3	Heparin blood, urine, fresh tissue, contaminated material, stomach content		~1 week	£149.00
Vitamin K1 / K1 epoxide	TOX4	Heparin blood		~1 week	£189.00
Warfarin and coumarin derivatives	TOX2	Heparin blood, urine, fresh tissue, contaminated material, stomach content		~1 week	£219.00
Convulsant panel	TOX5	Stomach content, feed sample	Screening for strychnine, tremorgenic mycotoxins, bromethalin.	~1 week	£219.00
Mycotoxin panel	TOX6	Stomach content, feed sample	Screening for aflatoxins, zearalenone, vomitoxin.	~1 week	£279.00
Methylxanthines (caffeine, theobromine)	TOX7	Heparin blood, urine, fresh tissue, contaminated material, stomach content.	NEW!	~1 week	£119.00
Drugs of abuse	TOX8	At least 10 ml urine	NEW!	~1 week	£129.00
Cadmium	CADM	Serum		1 week	£54.50
Cobalt	COB	Serum		1 week	£42.00
Lead	LEAD	Whole EDTA or Heparin		1 week	£33.00
Thallium	TALL	Urine		1 week	£54.50
Doping profile	DOPP		Please contact the laboratory!		
Antiphlogistics profile	ANTP		Please contact the laboratory!		
Sedative profile	SEDP		Please contact the laboratory!		

Urinalysis

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comments	Turnaround	Price
Standard Urinalysis	Sediment examination (unstained preparation examined by an experienced technician), specific gravity, protein, glucose, ketones, pH (meter), heme, bilirubin	UR1	5 ml urine, plain		Same day	£30.50
Standard Urinalysis with urine Protein:Creatinine Ratio	UR1 plus urine protein:creatinine ratio	UR2	5 ml urine, plain		Same day	£39.50
Standard Urinalysis with Aerobic Bacterial Culture and Sensitivity	UR1 plus aerobic bacterial culture and antibiotic sensitivities	UR3	5 ml urine, plain and Boric acid	Fill tube to the black arrow mark to avoid too high of a boric acid concentration	Same day, 1 - 5 days for culture	£45.00
Comprehensive Urinalysis	UR1 plus urine protein:creatinine ratio, aerobic bacterial culture and antibiotic sensitivities	UR4	5 ml urine, plain and Boric acid	Fill tube to the black arrow mark to avoid too high of a boric acid concentration	Same day, 1 - 5 days for culture	£51.50
Urine Culture and Sensitivity	Aerobic bacterial culture and antibiotic sensitivities	CUL1	5 ml urine, Boric acid	Fill tube to the black arrow mark to avoid too high of a boric acid concentration	1 - 5 days	£40.00
Urine Protein:Creatinine Ratio (UPC)		UPCR	Minimum of 1 ml urine in plain tube		Same day	£22.50
Microalbumin		MIAB	Minimum of 1 ml urine in plain tube		2 - 4 days	£26.00
Urine Cortisol:Creatinine Ratio		UCCR	5 ml urine, plain		3 - 4 days	£44.00

Urinalysis

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comments	Turnaround	Price
Urine Cytology	Cytological examination of urine or prostatic washes. Performed by a clinical pathologist on stained smears obtained by sediment preparation or cytocentrifugation. Recommended if suspicion for neoplasia.	CYTU	5 ml urine, plain and EDTA tubes, air-dried urine sediment slides		Same day	£47.00
Urine Cytology (when added to a UR profile)	as above	CYU+	as above		Same day	£26.00
Urine Protein Electrophoresis		UPE	Minimum of 1 ml urine in plain tube		3 - 4 days	£51.00
SDMA	Symmetric dimethylarginine	SDMA	Serum		2 - 4 days	£33.50
Cystatin C		CYST	Serum		2 - 4 days	£33.00
Fractional excretion	Can be performed for Sodium, Chloride, Potassium, Calcium or Phosphorus	FRAC	Serum AND urine		2 - 4 days	£60.00 for all five; £22.00 each

Test	Includes	Code	Sample	Comments	Turnaround	Price
Calculus Analysis		CALC	Dry calculus		1 - 2 days	£41.00
BRAF mutation	For confirmation of canine transitional cell carcinoma (TCC)	BRAF	Prestained smears, air dried smears, fluid, tissue in formalin, urine sediment	Please be aware the mutation is found in a large percentage (but not all) canine TCCs	up to 1 week	£76.00
Fanconi screen	Threonine, Glutamine, Proline, Glycine, Alanine, Creatinine, Glucose	FANC	5 ml urine, plain		up to 2 weeks	£169.00

Endocrinology - Thyroid

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
Total T4	K9T4/T4	Serum	No gel tubes.	Same day	£27.50
Total T4 + Urea + Creatinine	T4UC	Serum	No gel tubes.	Same day	£35.00
Total T4 + TSH	T4SH	Serum	No gel tubes.	Same day	£47.50
TSH	CTSH/TSH	Serum	No gel tubes.	Same day	£33.00
Free T4 by equilibrium dialysis (fT4)	FT4D	Serum	No gel tubes.	3 days	£54.50
T4AA, T3AA, TGAA - autoantibodies (dog)	THYA	Serum (>2ml)	No gel tubes. to confirm immune mediated lymphocytic thyroiditis	~2 weeks (for all results)	£76.50
TGAA - thyroglobulin autoantibodies (dog)	TGAA	Serum	No gel tubes. to confirm immune mediated lymphocytic thyroiditis	3 - 5 days	£39.00
T4, fT4, T3, fT3, TSH, T4AA, T3AA, TGAA (dog)	T4CP	Serum (>2ml)	No gel tubes. Complete canine thyroid panel	~2 weeks (for all results)	£119.00
T4, fT4, T3, fT3, TSH (cat)	THYC	Serum	No gel tubes. Complete canine thyroid panel	~2 weeks (for all results)	£99.00

Endocrinology - Adrenal/Pituitary

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comments	Turnaround	Price
ACTH Stimulation Test (2 measurements)	ADR1	Pre and post serum	No gel tubes. Used to help diagnose spontaneous hyperadrenocorticism, spontaneous hypoadrenocorticism and iatrogenic hyperadrenocorticism. - Collect fasted baseline serum sample - Inject 125 µg of synthetic ACTH intravenously or intramuscularly if patient is <5kg. Otherwise use 250 µg. Studies showed that similar results can be obtained also by injecting 5 µg/kg of synthetic ACTH. - For horses, give 1 U/kg IM of ACTH gel. - Collect a 60 minute post-ACTH sample (2h for horses) - Label tubes appropriately (Take sample 4-6 hours post-pill if monitoring response to Vetoryl/Trilostane)	Same day	£50.50

ACTH Stimulation Test (3 measurements)	ADRC	Pre and 2 post serum	No gel tubes. Hyperadrenocorticism is rare in cats. The ACTH stimulation test has low sensitivity for detection of this disease. A low dose dexamethasone suppression test is comparatively superior for diagnosing feline hyperadrenocorticism. • Collect fasted baseline serum sample • Inject 125 µg of synthetic ACTH intravenously • Collect 60 and 90 minute post-ACTH samples • Label tubes appropriately	Same day	£66.00
Cortisol	COR	Serum	No gel tubes. Used as a screening test for hypoadrenocorticism or pre-trilostane dosing for monitoring hyperadrenocorticism.	Same day	£29.50
Endogenous ACTH	ACTH	Frozen EDTA Plasma	No gel tubes. Help differentiating between pituitary dependend hyperadrenocorticism and adrenal neoplasia. In horses, it is a diagnostic indicator of pituitary pars intermedia dysfunction (PPID) • Collect fasted blood sample into a plastic chilled EDTA tube (no glass tubes) • Centrifuge immediately • Transfer plasma into a chilled plastic plain tube • Freeze immediately • Sample MUST arrive frozen	2 - 4 days	£51.00
Low Dose Dexamethasone Suppression Test	ADR2	Pre and 2 post serum	No gel tubes. Used to help diagnose spontaneous hyperadrenocorticism. • Collect fasted baseline serum sample • Canine: Inject 0.015 mg/kg dexamethasone intravenously • Feline: Inject 0.1 mg/kg dexamethasone intravenously • Collect a 4 and 8 hour post-dexamethasone sample • Label tubes appropriately	Same day	£66.00
High Dose Dexamethasone Suppression Test	ADR3	Pre and 2 post serum	No gel tubes. Used only once a diagnosis of hyperadrenocorticism has been made. This test helps to differentiate between pituitary dependent hyperadrenocorticism and adrenal neoplasia. • Collect fasted baseline serum sample • CANINE: Inject 0.1 mg/kg dexamethasone intravenously • FELINE: Inject 1.0 mg/kg dexamethasone intravenously • Collect a 4 and 8 hour post-dexamethasone sample • Label tubes appropriately	Same day	£66.00

Endocrinology - Adrenal/Pituitary

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comments	Turna-round	Price
Dexamethasone Suppression Test (overnight method - horses)	ADR4	Pre and 2 post serum	Used to help diagnose pituitary pars intermedia dysfunction - Collect fasted baseline serum sample between 4pm and 6pm - Inject 40ug/Kg dexamethasone intramuscular - Collect at noon the next day post-dexamethasone sample - Label tubes appropriately	Same day	£66.00
Urine Cortisol:Creatinine Ratio	UCCR	Urine	Used as a screening test for hyperadrenocorticism. Clean, cystocentesis collected sample is preferred	3 - 4 days	£44.00
Aldosterone	ALD1	Serum	For suspected hyperaldosteronism	~1 week	£79.00
Dynamic Aldosterone Test	ALD2	Pre and post serum	For suspected hyperaldosteronism. Performed as per an ACTH stimulation test	~1 week	£119.00
Dynamic 17-Hydroxyprogesterone Test (SHAP)	SHAP	Pre and post serum	To aid in the diagnosis of "atypical" hyperadrenocorticism. Performed as per an ACTH stimulation test	~1 week	£141.00
Canine adrenal profile	SHA1	Pre and post serum	17-Hydroxyprogesterone, androstenedione, oestradiol, cortisol. Performed as per an ACTH stimulation test	~1 week	£224.00
Combined Aldosterone and Renin		Contact Laboratory	To aid the diagnosis of hyperaldosteronism (Conn's Disease)	Up to 2 weeks	Contact Laboratory
Ferret Adrenal Profile	FERC	Serum	17 hydroxyprogesterone, androstenedione, oestradiol.	~1 week	£131.00
Equine PPID Profile (Insulin, Glucose, Endogenous ACTH)	PPID	Frozen serum + frozen EDTA plasma + Ox-F	- Serum and EDTA plasma have to be transferred into plain tubes and then kept chilled. - Contact the laboratory for advise on sending samples that must arrive chilled or frozen. - Insulin samples may be basal (>4h since any hard fee) or following oral carbohydrate challenge ((60-90 mins after 0.45mls/kg Karo light syrup or 2h after 1g/kg dextrose powder)	1 - 3 days	£77.00
Equine Metabolic Syndrome Profile (Insulin, Glucose, Triglycerides, Adiponectin)	EMS	Frozen serum + Ox-F	Insulin sample may be basal (>4h since any hard feed) or following oral carbohydrate challenge (60-90 mins after 0.45mls/kg Karo light syrup or 2h after 1g/kg dextrose powder).	1 - 3 days	£78.00

Endocrinology - Reproduction

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comments	Turnaround	Price
Anti-Mullerian Hormone (AMH)	AMH	Serum	Sensitive test for detection of ovarian tissue in mature cats and dogs. Useful to establish spay status in strays, even when bitches and queens are not showing signs of oestrus. Occasional false negative may occur in dogs if the progesterone dominated phase of cycle. Combined measurement of basal progesterone or dynamic test may help to determine status in such cases. Used also as a cryptorchid test to detect testicular tissue. In horses, it is used to identify granulosa cell tumours (GCTs)	up to 10 days	£99.00
Oestradiol	OES	Serum	Can be used as a screening test for ovarian remnant in dogs and cats showing signs of oestrus or excess production of oestradiol due to adrenal disease.	3 - 4 days	£43.00
Dynamic Oestradiol Test	OESS	Pre and post serum	FELINE: This test can be used for ovarian remnant detection in queens not showing signs of oestrus - Collect fasted baseline serum sample - Inject 0.32 µg of GnRH Buserelin (Receptal®; Intervet SP) intravenously. As a very small volume of drug is used, it is recommended to dilute with sterile water to 1:10 for injection. - Collect a 3 hour post-Buserelin sample - Label tubes appropriately CANINE: Recommended test for ovarian remnant detection in bitches not showing signs of oestrus - Collect fasted baseline serum sample - Inject 200 IU hCG (Chorulon®; Intervet SP) intravenously for dogs <15 kg; 300 IU for dogs >15 kg - Collect a 90 minute post-hCG sample - Label tubes appropriately	3 - 4 days	£77.00
Oestrone Sulphate	OESH	Serum	Pregnancy test for horses (from day 110 and until 1 week prior to birth)	~1 week	£44.00
Pregnant Mare Serum Gonadotrophin (PMSG)	PMSG	Serum	Pregnancy test for horses (from day 45 to 110)	~1 week	£42.00
Inhibin (horses)	INHI	Serum	In horses, it is used to identify granulosa cell tumours (GCTs)	~1 week	£142.00
Progesterone	PRO	Serum	Used to help predict ovulation in bitches. Testing is recommended to begin from 7 days after the onset of season. Not recommended as a screening test for ovarian remnants in cats.	Same day	£36.00
Dynamic Progesterone Test	PROS	Pre and post serum	FELINE: Recommended test for ovarian remnant detection in queens showing signs of oestrus - Collect fasted baseline serum sample - Inject 500 IU hCG intravenously - Collect a post-hCG sample 7 days later - Label tubes appropriately	Same day	£63.00
Testosterone	TES	Serum	Screening test for the presence of testicular tissue	2 - 4 days	£45.00

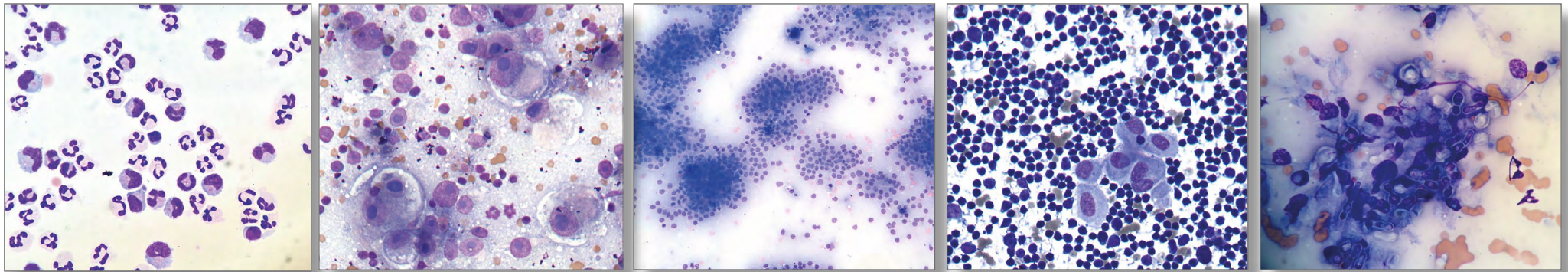
Test	Code	Sample	Comments	Turnaround	Price
Dynamic Testosterone Test	TESS	Pre and post serum	Used to detect presence of testicular tissue. FELINE: - Collect fasted baseline serum sample - Inject 500 IU hCG intravenously - Collect a post-hCG sample between 30 - 120 minutes - Label tubes appropriately CANINE: - Collect fasted baseline serum sample - Inject 750 IU hCG intravenously - Collect a post-hCG sample between 30 - 120 minutes - Label tubes appropriately EQUINE: - Collect fasted baseline serum sample - Inject 6000 IU hCG intravenously - Collect a post-hCG sample 30-120 minutes - Label tubes appropriately	2 - 4 days	£73.00
Bovine pregnancy-associated glycoproteins (PAGs)	PAG	Serum	Pregnancy test for cattle, sheep, goat (from day 28 after conception)	2 - 4 days	£73.00

Endocrinology - Other

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comments	Turnaround	Price
Insulin (add glucose - £6)	INS	Serum(insulin) Ox-F for glucose	For suspected insulinoma; measurement of contemporaneous glucose is required for interpretation. Concurrent measurement of glucose is strongly recommended to correctly interpret the insulin result	up to 1 week	£81.00
Insulin antibodies	INSA	Serum	Investigations of increased insulin requirements for diabetics.	up to 2 weeks	£121.00
Insulin-like Growth Factor (IGF-1)	IGF	Serum	For suspected acromegaly or dwarfism. - Contact the laboratory for advise on sending samples that must arrive chilled or frozen. - Sample MUST arrive frozen	up to 1 week	£99.00

Parathyroid Hormone (PTH) (add ionised calcium - £27)	PTH	Frozen EDTA plasma only (PTH), serum (iCa)	For evaluation of suspected primary hyperparathyroidism. • Collect fasted blood sample into a plastic chilled EDTA tube (no glass tubes, avoid haemolysis and lipemia) • Gently invert several times to mix thoroughly • Centrifuge immediately • Transfer plasma into a chilled plastic plain tube (mix well again if using an EDTA tube) • Freeze immediately • Sample MUST arrive frozen Ionised calcium should be measured concurrently • Collect into a plain serum tube (no gel) ensuring the tube is completely filled without any air bubbles • Allow blood to clot (~15-20 min), centrifuge and transfer serum into a plain airtight tube, completely filling it (NO air)	up to 10 days	£126.00
Parathyroid Hormone Related Peptide (PTHrp) (add ionised calcium - £29)	PTHR	Frozen EDTA plasma only (PTHrp), serum (iCa)	For evaluation of suspected hypercalcaemia of malignancy. • Collect fasted blood sample into a plastic chilled EDTA tube (no glass tubes, avoid haemolysis and lipemia) • Gently invert several times to mix thoroughly • Centrifuge immediately • Transfer plasma into a chilled plastic plain tube • Freeze immediately • Sample MUST arrive frozen Ionised calcium should be measured concurrently • Collect into a plain serum tube (no gel) ensuring the tube is completely filled without any air bubbles • Allow blood to clot (~15-20 min), centrifuge and transfer serum into a plain airtight tube, completely filling it (NO air)	up to 10 days	£192.00
Vitamin D3 (25 OH)	VITD	Frozen serum	Protect from light	up to 2 weeks	£139.00
Salivary Cortisol	SAL1	Saliva		on request	
Salivary Cortisol Stimulation Test	SAL2	2x Saliva (pre and post-ACTH samples)		on request	



Cytology

Batt Laboratories offers a comprehensive cytology service for all domestic species provided by experienced clinical pathologists.

Cytology is a rapid, simple, safe and cost-effective diagnostic method for the diagnosis of a spectrum of inflammatory and neoplastic diseases.

The turnaround time for all our cytology submissions is typically within 24 hours of receipt of the sample. Our clinical pathologists are also readily available to discuss results and to give further advice. Samples may be submitted as air-dried smears or fluid for processing.

Here are a few tips you should find helpful when submitting samples for cytology:

- **Clinical history and location** are vitally important in interpreting cytology samples. Submission forms should include a brief clinical history, site of collection and appearance of the lesion/organ sampled. Slides should have frosted ends to enable them to be appropriately labelled (patient name, site of aspiration) - this is particularly relevant when submitting samples from multiple lesions.

- **Exposure to formalin** of any kind renders samples un-readable using the traditional Romanowsky stain - cytology samples should therefore be sent in a sealed bag, separate from any biopsy specimens in formalin.
- When submitting **fluid samples** of any kind, it is best to provide both EDTA and plain tubes samples, as well as one or two air-dried direct smears.
- In cases where **bacterial culture** of a fluid may be required, a separate sample (in a plain tube) must be provided.
- **Bone marrow aspirates** should always be submitted with a concurrent EDTA blood sample (or no longer than 24h difference between sampling times). Bone marrow interpretation is frequently not possible in the absence of concurrent peripheral blood evaluation,

Please don't hesitate to call for clarification of our assays and services, including sampling protocols or to discuss any additional requirements.

Cytology and Histology

All tests include full reporting unless otherwise stated

Test	Details	Code	Sample	Comments	Turnaround	Price
Cytology (FNA/smears) up to 3 sites		CYT	Air dried smears	Up to 8 slides and/or 3 sites from the same animal	Up to 1 day	£44.00
Cytology (FNA/smears) 4 or more sites		CYT+	Air dried smears	> 8 slides and/or >4 or more sites from the same animal	Up to 1 day	£55.00
Cytology (fluid filled masses)		CYTEFF	Fluid	Please submit fluid in both EDTA and plain tubes + 1-2 air dried direct smears.	Up to 1 day	£48.00
Cytology (Cavity effusions)	Including cytology, total protein, albumin, globulin (cholesterol and triglyceride when appropriate)	EFF	Fluid + air dried smears	Please submit fluid in both EDTA and plain tubes + 1 - 2 air dried direct smears	Up to 1 day	£55.00
Cytology (CSF, synovial fluid)	Including cytology, total protein, total nucleated cell count, total red blood cell count	CCSF/ SYNC	Fluid + air dried smears	Please submit fluid in both EDTA and plain tubes + 1 - 2 air dried direct smears	Up to 1 day	£55.00
Cytology (urine/prostatic wash)		CYTU	Urine/Prostatic lavage	Please submit 5ml fresh urine sample/prostatic wash in plain and EDTA tubes	Same day	£47.00
Cytology (Bronchoalveolar lavage/Transtracheal wash)		BAL	Bronchoalveolar lavage/ Transtracheal wash	Please submit fluid in both EDTA and plain tubes + 1 - 2 air dried direct or sediment smears	Up to 1 day	£52.00
Bone marrow cytology		BM1	Air dried smears + EDTA tube	Please submit concurrent EDTA sample of peripheral blood (haematology + £23)	Up to 1 day	£65.00
Histopathology		HI1	Tissue in formalin	Up to 3 sites from the same animal. Add £15 when 4 or more sites.	3 - 4 days	£59.00
Cytology + Histopathology		H&C	Air dried smears + tissue in formalin	Up to 3 sites (cyto) and 3 sites (histo) from the same animal.	Up to 1 day / 3 - 4 days for histology	£89.00
Flow cytometry (immuno-phenotyping lymphoma/ leukaemia)		FLOW	EDTA blood (for peripheral blood/leukaemia), cells suspended in fixative solution (for solid lesions/lymphoma).	Contact the laboratory to request special fixative solution. Sample has to be fresh and reach the laboratory within 24h. Cytology sample (if from a lymph node or other organ) or blood smear should also be submitted.	2 days	£192.00
PARR (clonality testing for lymphoma)		PARR	Prestained smears, air dried smears, fluid, tissue in formalin	Following cytology/histology	3 - 4 days	£149.00
Immunohistochemistry (lymphoma)	Various T and B lymphoid markers	ICC2	Tissue in formalin	Following histology	up to 2 weeks	£159.00
Immunohistochemistry (mast cell tumour)	cKit and Ki67	MCT	Tissue in formalin	Following histology	up to 2 weeks	£149.00
	ckit	KIT	Tissue in formalin	Following histology	up to 2 weeks	£135.00
	ki67	KI67	Tissue in formalin	Following histology	up to 2 weeks	£135.00
Further cyto/histochemical stains				Following cytology/histology	up to 2 weeks	Upon request
Further immunocyto/ immunohistochemical stains				Following cytology/histology	up to 2 weeks	Upon request
BRAF mutation	For confirmation of canine transitional cell carcinoma (TCC)	BRAF	Prestained smears, air dried smears, fluid, tissue in formalin, urine sediment	Please be aware the mutation is found in a large percentage (but not all) of canine TCCs	up to 1 week	£76.00

PLEASE NOTE: Any and all cytology slides should be packaged and submitted separately from histology samples as any exposure to formalin fumes can markedly alter cell morphology potentially rendering the sample non-diagnostic. **DO NOT** add formalin to any fluid samples being submitted for cytology. Turnaround time for histopathology may be longer than 4 days if the sample require further fixation or decalcification.

Infectious Disease - Antigen / Antibody Testing Canine/Feline

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment (including methodology)	Turnaround	Price
Anaplasma phagocytophilum antibody	SANA	Serum	ELISA	2 - 4 days	£37.50
Angiostrongylus vasorum (Lungworm) antigen	LWA	Serum	ELISA	Same day	£24.00
Aspergillus antibody	ASPS	Serum	MAT	2 - 4 days	£53.00
Aujeszky virus (Pseudorabies)	AUVI	Serum	VNT	1 week	£51.00
Babesia antibody (ELISA)	BAB	Serum	ELISA	2 - 4 days	£44.00
Bartonella henselae antibody	BARB	Serum	IFAT	2 - 4 days	£44.50
Borellia antibody (IgM + IgG)	BOR	Serum	ELISA	2 - 4 days	£39.50
Borrelia (Western blot)	SBWB	Serum	Western blot	1 week	£46.00
Bornavirus antibody	SBOR	Serum	IFAT	2 weeks	£69.00
Brucella canis antibodies	BRUC	Serum	IFAT (RSAT also available upon request)	2 - 4 days	£49.00
Canine Adenovirus (CAV) antibody	CAV	Serum	IFAT	2 - 4 days	£37.50
Canine Distemper (CDV) antibody	CDV	Serum	IFAT	2 - 4 days	£37.50
Canine Herpes (CHV) antibody	HERA	Serum	IFAT	2 - 4 days	£44.00
Canine Parvovirus (CPV) antibody	CPV	Serum	IFAT	2 - 4 days	£37.50
Canine Parvovirus (CPV) antigen	PARV	Faeces	ICG	Same day	£32.00
CAV, CDV, CPV - vaccine status dog	ADP1	Serum	IFAT	2 - 4 days	£92.00
CAV, CDV, CPV, Lepto - vaccine status dog	ADP	Serum	IFAT, MAT	2 - 4 days	£116.00
CAV, CDV, CPV - vaccine status dog (gold standard)	ADP2	Serum	VNT, HAI	1 week	£147.00
Chlamydia antibody	CHB	Serum	IFAT	2 - 4 days	£42.00
Clostridium difficile Toxin A and B	CDAB	Fresh faeces	ELISA	2 - 4 days	£46.50
Clostridium perfringens Enterotoxin	CLP	Fresh faeces	ELISA	2 - 4 days	£46.50
Cryptococcus antigen	CRYA	Serum	LTA	3 - 5 days	£59.00
Cryptosporidium antigen	CRYE	Fresh faeces	EIA	3 - 5 days	£32.00
Dirofilaria immitis antigen	DIR	Serum	ELISA	2 - 4 days	£36.50
Echinococcus antibody	ECHA	Serum	ELISA (NEW!)	up to 1 week	£99.00
Encephalitozoon cuniculi antibody (IgG)	ECUN	Serum	IFAT	2 - 4 days	£44.50
Encephalitozoon cuniculi antibody (IgG+IgM)	ECU2	Serum	IFAT	2 - 4 days	£62.50
Ehrlichia canis antibody (ELISA)	EHR	Serum	ELISA	2 - 4 days	£44.50
Ehrlichia canis antibody (IFAT)	EHR2	Serum	IFAT (cats only)	2 - 4 days	£44.50
Feline calicivirus (FCV) antibody	FCA	Serum	IFAT	2 - 4 days	£46.50
Feline coronavirus antibody (FeCoV) - FIP	FIP	Serum	ELISA	2 - 4 days	£36.50

Infectious Disease - Antigen / Antibody Testing Canine/Feline

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment (including methodology)	Turnaround	Price
Feline herpes virus (FHV) antibody	FHV	Serum	IFAT	2 - 4 days	£44.00
Feline panleukopaemia (FPV) antibody	FPV	Serum	IFAT	2 - 4 days	£39.50
Feline panleukopaemia (FPV) antigen	PARV	Faeces	EIA	Same day	£32.00
FCV, FHV, FPV - vaccine status cat	CHPS	Serum	IFAT	3 - 5 days	£92.50
FCV, FHV, FPV - vaccine status cat (gold standard)	CHP1	Serum	VNT, HAI	1 week	£185.00
FeLV antigen (ELISA)	FLV	Serum	ELISA - screening test	Same day	£28.50
FELV (IFAT)	FLV1	EDTA + blood smear	IFAT - confirmatory test	1 week	£84.00
FIV antibody (ELISA)	FIV	Serum	ELISA screening test	Same day	£28.50
FIV (IFAT)	FIV1	Serum	IFAT - confirmatory test	1 week	£84.00
FIV antibody (Western blot)	FIV2	Serum	Western Blot - confirmatory test	7 days	£84.00
FeLV antigen and FIV antibody (ELISA)	FLI	Serum, EDTA	ELISA - screening test	Same day	£47.50
FeLV, FIV & FeCoV (FIP)	FLIP	Serum	ELISA (FeLV, FIV), IFAT (FIP)	3 - 5 days	£72.00
Giardia antigen	GIA	Fresh faeces or 3 day pooled faeces	ICG	Same day	£20.00
Leishmania (ELISA)	SLEL	Serum	ELISA	2 - 4 days	£40.00
Leishmania (IFAT)	LEIS	Serum	IFAT	2 - 4 days	£40.00
Leptospira antibody	LEP	Serum	MAT	2 - 4 days	£51.50
Listeria antibody	SLIS	Serum	IFAT	2 - 4 days	£32.00
Microfilaria (Knott test)	KNOT	EDTA or Heparin	Knott test	2 - 4 days	£28.50
Neospora caninum antibody (IgM, IgG)	NEO	Serum	IFAT	2 - 4 days	£40.00
Rabies antibody	RAB	Serum	FAVN fluorescent antibody virus neutralisation	up to 2 weeks	£83.00
Rickettsia conorii antibody	RICC	Serum	IFAT	2 - 4 days	£39.50
Rickettsia rickettsii antibody	RICK	Serum	IFAT	2 - 4 days	£39.50
Rotavirus antigen	ROTA	Faeces	EIA	2 - 4 days	£28.00
Salmonella antibody	SSAL	Serum	MAT	2 - 4 days	£39.00
Sarcoptes antibody (Canine only)	SAR	Serum	ELISA	2 - 4 days	£51.50
Tetanus (Clostridium) antibody	TET	Serum	ICA	up to 2 weeks	£86.00
Tick-borne encephalitis antibody (IgG)	TBEE	Serum, CSF	ELISA. IgM available upon request	3 - 5 days	£35.00
Toxoplasma antibody (IgG, IgM)	TOX	Serum	ELISA	3 - 5 days	£56.00
Trypanosoma evansi (canine) antibody	STRE	Serum	CATT	3 - 5 days	£43.50

Infectious Disease - Equine

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
Anaplasma phagocytophilum antibody	SANA	Serum	ELISA	2 - 4 days	£37.50
Anoplocephala perfoliata (Tape worm)	ANOP	Serum	ELISA	1 week	£43.50
Babesia antibody (IFAT)	SBGE	Serum	IFAT	2 - 4 days	£69.50
Babesia antibody (ELISA)	BABE	Serum	ELISA	3 - 5 days	£89.50
Babesia antibody (Complement Fixation)	BACF	Serum	CFTs	1 week	£96.50
Borrelia antibody (IgM + IgG)	BOR	Serum	IFAT	2 - 4 days	£39.50
Borrelia antibody (Western blot)	SBWB	Serum	Western blot	1 week	£46.00
Bornavirus antibody	SBOR	Serum	IFAT	up to 10 days	£69.00
Burkholderia mallei antibody (Glanders)	SGLA	Serum	IFAT	5 - 6 days	£46.00
Equine Herpes Virus 1 and 4 antibody	EH14	Serum	IFAT	3 - 5 days	£63.50
Equine Infectious Anemia antibody (Coggins)	EIAC	Serum	IFAT	1 week	£40.00
Equine Infectious Anemia antibody (ELISA)	EIAE	Serum	ELISA	2 - 4 days	£40.00
Equine Viral Arteritis antibody	SEVA	Serum	VNT	1 week	£43.50
Influenza A Virus antibody	SEIV	Serum	HAI	1 week	£64.50
Leptospira antibody	LEP	Serum	MAT	2 - 4 days	£51.50
Listeria antibody	SLIS	Serum	IFAT	2 - 4 days	£32.00
Liver fluke antibody	LFAB	Serum	ELISA	1 week	£43.00
Rotavirus antigen	ROTA	Faeces	EIA	2 - 4 days	£28.00
Salmonella abortus equi antibody	SSAE	Serum	MAT	1 week	£43.00
Small redworm antibody Cyathostome	SRAC	Serum	ELISA	1 week	£0
Streptococcus equi antibody (Strangles)	SEA	Serum	ELISA. Quantitative (NEW!)	1 week	£75.00
Tetanus (Clostridium) antibody	TET	Serum	ELISA	up to 2 weeks	£86.00
Theileria equi	THEI	Serum	ELISA (NEW!)	1 week	£49.00
Tick-borne encephalitis antibody (IgG)	TBEE	Serum, CSF	ELISA	3 - 5 days	£35.00
Tick-borne encephalitis antibody (IgM)	TBEM	Serum	ELISA	3 - 5 days	£43.00
Trypanosomas equiperdum (Dourine)	SDOU	Serum	CFTs	1 week	£46.00
West Nile Virus antibody (IgG + IgM)	WNVE	Serum	ELISA	3 - 5 days	£94.00

Infectious Disease - Farm Animal

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
Anaplasma phagocytophilum antibody	SANA	Serum	IFAT	2 - 4 days	£37.50
Actinobacillus pleuropneumoniae antibody	SAPP	Serum	Porcine (ELISA)	1 week	£27.50
Aspergillus antibody	ASPS	Serum	MAT	2 - 4 days	£53.00
Babesia Antigen (Microscopic)	BABA	Blood smear, EDTA		2 - 4 days	£26.00
Bluetongue virus (BTV)	BTVA	Serum	ELISA	1 week	£27.50
Bovine Herpes Virus 1 (IBR) antibody	BHV1	Serum	ELISA	1 week	£32.00
Bovine Herpes Virus 1 (IBR) gE	BHVE	Serum	ELISA	1 week	£32.00
Bovine Herpes Virus 1 (IBR) gB	BHVB	Serum	ELISA	1 week	£32.00
Borellia antibody (IgM + IgG)	BOR	Serum	ELISA	2 - 4 days	£39.50
Border disease (Hairy Shaker Disease)	HSDS	Serum	Sheep (ELISA)	1 week	£21.00
Bornavirus antibody	SBOR	Serum	ELISA	up to 10 days	£69.00
Brucella antibody	BBRU	Serum	ELISA	3 - 5 days	£32.00
BVD Virus antibody	SBVD	Serum, Milk	ELISA	1 week	£24.00
Caprine Arthritis Encephalitis Virus (Maedi-Visna) antibody	SCAE	Serum	ELISA	1 week	£24.00
Caseous lymphadenitis (CLA)	CLAS	Serum	Sheep and Goat (ELISA)	1 week	£24.00
Chlamydia antibody	CHB	Serum	IFAT	2 - 4 days	£42.00
Corynebacterium pseudotuberculosis antibody	COPA	Serum	ELISA NEW!	1 week	£29.00
Coxiella burnetii antibody	SCOX	Serum	IFAT	2 - 4 days	£32.00
Erysipelas	ERYS	Serum	SAT	1 - 2 weeks	£32.00
Fasciola hepatica antibody	SFAS	Serum, Milk	EIA	1 week	£32.00
Leptospira antibody	LEP	Serum	MAT	2 - 4 days	£51.50
Listeria antibody	SLIS	Serum	IFAT	2 - 4 days	£32.00
Louping-ill (sheep)	LILL	Serum	HAIT	1 week	£32.00
Lungworm (Dictyocaulus viviparus)	DICT	Serum		10 days	£43.00
Maedi-Visna	MVIS	Serum	ELISA	1 week	£21.00

Infectious Disease - Farm Animal

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
Mycoplasma hyopneumoniae antibody	SMYP	Serum	ELISA	1 week	£32.00
Neospora caninum antibody (IgM, IgG)	NEOB	Serum	ELISA	1 week	£40.00
Ostertagia ostertagi antibody	OSOS	Milk, Bulk tank milk	ELISA	1 week	£32.00
Paratuberculosis antibody (Johne's disease)	SPT	Serum, Milk	ELISA	1 week	£21.00
Parvovirus (SMEDI) antibody	SMED	Serum	ELISA	5 days	£19.00
Porcine Reproductive and Respiratory Syndrome Virus antibody	PRRS	Serum	ELISA	1 week	£19.50
Rotavirus antigen (Cattle)	ROTA	Faeces	EIA	2 - 4 days	£28.00
Salmonella Dublin antibody	SSDU	Serum	ELISA	1 week	£24.00
Schmallenberg virus SBV	SBVV	Serum	ELISA	1 week	£21.00
Sheep scab	SCAB	Serum	ELISA	1 - 2 weeks	£32.00
Toxoplasma antibody (IgG, IgM)	TOX	Serum	ELISA	3 - 5 days	£56.00

Infectious Disease - Avian

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
Aspergillus antibody	ASPS	Serum	MAT	2 - 4 days	£53.00
Aspergillus Galactomannan antigen	ASPG	Serum	ELISA	1 week	£78.00
Bornavirus antibody	SBOR	Serum	ELISA	up to 10 days	£69.00
Chlamydia antibody	CHB	Serum	IFAT	2 - 4 days	£42.00
Herpes virus (Pacheco's Disease) antibody	SPAC	Serum	VNT	2 weeks	£79.00
Paramyxovirus aPMV-1 antibody (Newcastle Disease)	NEWD	Serum	HAH	2 weeks	£55.00
West Nile Virus antibody (IgG)	WNV	Serum	ELISA	1 week	£85.00

Infectious Disease - Small Mammals

1ml unless indicated

Test	Code	Sample	Comment	Turnaround	Price
Adenovirus antibody	GAV	Serum	Rabbit, Guinea pig, Rat, Small Mammals (IFAT) (NEW!)	1 week	£29.00
Cytomegalovirus antibody	CMV	Serum	Mouse, Rat, Guinea pig (IFAT)	1 week	£36.00
Dirofilaria antigen	DIR	EDTA or Heparin	Ferret ELISA	2 - 4 days	£36.50
Distemper virus antibody	CDV	Serum	Ferret, Raccoon (IFAT)	2 - 4 days	£37.50
Encephalitozoon cuniculi antibody (IgG)	ECUN	Serum	Rabbit, Guinea pig (IFAT)	2 - 4 days	£44.50
Encephalitozoon cuniculi antibody (IgG+IgM)	ECU2	Serum	Rabbit, Guinea pig (IFAT)	2 - 4 days	£62.50
Ferret coronavirus serology	FCOV	Serum	ELISA	1 week	£43.00
Hantavirus antibody	HANT	Serum	Rat, Mouse (IFAT)	1 week	£35.50
Lymphocytic Choriomeningitis Virus antibody	LCVM	Serum	Guinea pig, Mouse, Hamster (IFAT)	1 week	£35.50
Myxomavirus antibody	SMYX	Serum	Rabbit (IFAT)	1 week	£35.50
Sendai Virus antibody	SSSV	Serum	Rabbit, Guinea pig, Rat, Mouse, Hamster (IFAT)	1 week	£35.50
Toxoplasma gondii antibody (IgG+IgM)	TOX	Serum	Rabbit, Guinea pig (ELISA)	3 - 5 days	£56.00
Treponema paraluis-cuniculi antibody	TRPP	Serum	Rabbit (Agglutination test)	3 - 5 days	£35.50

Infectious Disease - Reptiles

Test	Code	Sample	Comment	Turnaround	Price
Cryptosporidium antigen	CRYR	Faeces, Regurgitated material, gastric lavage, stomach biopsy	IFAT	3 - 5 days	£32.00
Herpesvirus (TeHV-1 and TeHV-3) antibody	SHTT	Serum, Heparinized plasma	Tortoise (VNT)	2 weeks	£66.50
Paramyxovirus/Ferlavirus antibody	SRPF	Serum, Heparinized plasma	HAH	2 weeks	£44.50
Picornavirus antibody	SPIC	Serum, Heparinized plasma	Tortoise (VNT)	2 weeks	£44.50

Infectious Disease - PCR Canine/Feline

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
QUALITATIVE PCR					
Anaplasma phagocytophilum	ANAP	EDTA, CSF, Bone marrow, Synovial fluid, Tick		2 - 4 days	£50.50
Anaplasma platys	XAPL	EDTA, Tick		2 - 4 days	£50.50
Aelurostrongylus abstrusus (feline lungworm)	XAAB	BAL Faeces		3 - 4 days	£64.50
Angiostrongylus vasorum (canine lungworm)	XAVA	EDTA, BAL, Faeces		2 - 4 days	£50.50
Aspergillus fumigatus	ASPP	Nasal flush fluid, plain swab, BAL, fresh tissue		3 - 4 days	£65.00
Babesia species	BABP	EDTA, Tick		2 - 4 days	£50.50
Bartonella henselae	BARP	EDTA, CSF		2 - 4 days	£46.00
Bordetella bronchiseptica	XBB	Nasal flush, Pharyngeal swab, Tracheal wash, BAL		2 - 4 days	£50.50
Bornavirus	XBOR	EDTA, CSF		2 - 4 days	£50.50
Borrelia (Lyme disease)	BORA	Synovial fluid/ Synovium, Tick, CSF, Skin		2 - 4 days	£50.50
Brucella canis	BRUP	Swab, EDTA, semen, urine, abort material		2 - 4 days	£50.50
Campylobacter jejuni	XCJ	Faeces		2 - 4 days	£50.50
Cand. Neoehrlichia mikurensis	CNMK	EDTA, Tick		2 - 4 days	£50.50
Canine Adenovirus 1 (CAV-1)	ADVP	Swab, EDTA, Liver, Urine		2 - 4 days	£50.50
Canine Adenovirus 2 (CAV-2)	ADV2	Pharyngeal swab, Tracheal wash, BAL		2 - 4 days	£50.50
Canine Circovirus	XCIR	Faeces, EDTA		2 - 4 days	£50.50
Canine Coronavirus (Enteric)	CORP	Faeces		2 - 4 days	£50.50
Canine Coronavirus (Respiratory)	CORR	Swab	NEW!	2 - 4 days	£50.50
Canine Distemper virus (CDV)	CDVP	EDTA, CSF, Urine, Swab, Faeces		2 - 4 days	£50.50
Canine Herpesvirus (CHV)	HERP	EDTA, Swab, Aborted material		2 - 4 days	£50.50
Canine Parvovirus (CPV)	PARP	EDTA, Faeces		2 - 4 days	£50.50
Canine Parainfluenza virus	PIP	Nasal flush, Tracheal wash, BAL		2 - 4 days	£50.50
Chlamydia species	CHP	Swab, Faeces, Aborted material		2 - 4 days	£50.50

Infectious Disease - PCR Canine/Feline

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
QUALITATIVE PCR					
Crenosoma vulpis	CREN	Swab, BAL, (plain or EDTA), faeces		3 - 4 days	£65.00
Cryptosporidium	XCRY	Faeces, Gastric lavage fluid		2 - 4 days	£50.50
Cytauxzoon incl. species diff.	CYZO	EDTA, tick	NEW!	2 - 4 days	£50.50
Demodex	XDEM	Skin scraping	Semi-quantitative real-time PCR for D. canis, D. injai, D. cornei, D. cati, D. gatoi, D. felis	2 - 4 days	£50.50
Dermatophytes	DERP	Skin scraping, plucked hairs	PCR detection of M. canis, M. gypseum, M. persicolor, T. mentagrophytes, T. equinu, Trichophyton species of Arthroderma benhamiae, Trichophyton equinum, Trichophyton verrucosum, Trichophyton erinacei. Species differentiation possible in positive cases (+£31)	3 - 5 days	£50.50
Echinococcus	ECHI	Faeces, tissue		2 - 4 days	£50.50
Ehrlichia canis	EHRP	EDTA, Bone marrow, Tick		2 - 4 days	£50.50
Feline Calicivirus (FCV)	FCAP	Oronasal swabs, Tracheal wash, BAL, EDTA		2 - 4 days	£50.50
Feline Coronavirus (FCoV)	FIPP	Ascitic fluid, Tissue, CSF, Faeces		2 - 4 days	£50.50
Feline Herpesvirus (FHV)	HERP	Conjunctival / oronasal swabs, Tracheal wash, nasal flush fluid, EDTA		2 - 4 days	£50.50
Feline Parvovirus (FPV)	PARP	EDTA, Faeces		2 - 4 days	£50.50
FeLV provirus	FLVP	EDTA, Bone marrow		2 - 4 days	£50.50
FIV provirus	FIVP	EDTA		2 - 4 days	£50.50
Giardia species	GIAP	Fresh faeces or 3 day pooled faeces		2 - 4 days	£50.50
Helicobacter species	XHEL	Vomit		2 - 4 days	£50.50
Hepatozoon canis/felis	XHZC	EDTA, Tick		2 - 4 days	£50.50
Influenza A Virus	XIFA	Swab, Bone marrow, Lymph node, Skin, EDTA		2 - 4 days	£50.50
Leishmania	LEIP	Swab, aqueous humor, Bone marrow, Lymph node, Skin, EDTA		2 - 4 days	£50.50

Infectious Disease - PCR Canine/Feline

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
QUALITATIVE PCR					
Leptospira species	LEPP	Urine, EDTA, Aborted material		2 - 4 days	£50.50
Mycoplasma (haemotropic) dog	HMB	EDTA		2 - 4 days	£50.50
Mycoplasma (respiratory/mucous membranes) dog	MCAN	BAL, ocular/throat swab		2 - 4 days	£50.50
Mycoplasma (haemotropic) cat	HMBC	EDTA	includes species differentiation	2 - 4 days	£65.00
Mycoplasma (respiratory/mucous membranes) cat	MFEL	BAL, ocular/throat swab		2 - 4 days	£50.50
Microfilaria species	DIRP	EDTA	if positive, differentiation is available for extra charge (+ £46)	2 - 4 days	£50.50
Neospora caninum	NEOP	Swab, CSF, Tissue		2 - 4 days	£50.50
Orthopoxvirus (pox)	OPXV	Scurf		2 - 4 days	£50.50
Papillomavirus	XPAP	Skin		2 - 4 days	£50.50
Rickettsia	XRIC	EDTA, skin, tick		2 - 4 days	£50.50
Salmonella	XSAL	Faeces		2 - 4 days	£50.50
Sarcoptes scabiei var. canis	XSAR	Skin scraping		2 - 4 days	£50.50
SARS-CoV-2	SARS	Deep nasal/pharyngeal swab		2 - 4 days	£50.50
Tick-borne Encephalitis virus	XTBE	CSF, Tick		2 - 4 days	£50.50
Toxoplasma gondii	TOXP	Faeces, CSF, Aborted material		2 - 4 days	£50.50
Tritrichomonas foetus	TRIC	Fresh faeces or 3 day pooled faeces		2 - 4 days	£50.50
Yersinia enterocolitica	YENT	Faeces		2 - 4 days	£50.50
QUANTITATIVE PCR					
Canine Distemper virus	CDVX	EDTA, CSF, Urine, Swab, Faeces		2 - 4 days	£60.00
Canine Parvovirus	PARX	EDTA, Faeces		2 - 4 days	£60.00
Feline Coronavirus - FCoV	FIPX	Ascitic fluid, faeces		2 - 4 days	£65.00
FIV provirus	FIVX	EDTA		2 weeks	£65.00
Leishmania species	LEIX	Bone marrow, EDTA		2 - 4 days	£60.00
Microfilaria	MICX	EDTA		2 - 4 days	£65.00

Infectious Disease - PCR Equine

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
Anaplasma phagocytophilum	ANAP	EDTA, Tick		2 - 4 days	£50.50
Babesia species	BABP	EDTA, Tick		2 - 4 days	£50.50
Bornavirus	XBVE	EDTA, CSF, Aqueous humour		2 - 4 days	£50.50
Borrelia species	BORA	Synovial fluid/Synovium, Tick, CSF, Skin		2 - 4 days	£50.50
Bovine Papillomavirus (Sarcoid)	XBP	Scab, Hairs, Tissue		2 - 4 days	£50.50
Coronavirus	XCVE	Faeces		2 - 4 days	£50.50
Dermatophytes	DERP	Plucked hair from the active border of lesions		2 - 4 days	£50.50
Equine Herpes Virus 1 (EHV-1)	XA01	Dry swab, CSF, aborted material, EDTA	including differentiation of neutropathogenic variant	2 - 4 days	£50.50
Equine Herpes Virus 2 (EHV-2)	XA02	Dry swab		2 - 4 days	£50.50
Equine Herpes Virus 3 (EHV-3)	XH03	Swab, tissue		2 - 4 days	£50.50
Equine Herpes Virus 4 (EHV-4)	XA04	Swab, EDTA		2 - 4 days	£50.50
Equine Herpes Virus 5 (EHV-5)	XA05	Swab, EDTA		2 - 4 days	£50.50
Equine Herpes Virus 1 and 4	XH14	Swab, Aborted material, CSF, EDTA		2 - 4 days	£65.00
Equine Herpes Virus 2 and 5	XH25	Swab		2 - 4 days	£65.00
Equine Viral Arteritis Virus	XEVA	Swab, EDTA, Semen		2 - 4 days	£50.50
Equine Influenza A Virus	XEIA	Swab		2 - 4 days	£50.50
Lawsonia intracellularis	XLAW	Faeces		2 - 4 days	£50.50
Leptospira species	LEPP	Urine and EDTA, Aborted material		2 - 4 days	£50.50
Parvovirus	PARE	EDTA		2 - 4 days	£50.50
Rhodococcus equi	XRHO	Swab		2 - 4 days	£50.50
Salmonella species	XSAL	Faeces		2 - 4 days	£50.50
Streptococcus equi equi (Strangles)	XSES	Swab, Lymph node		2 - 4 days	£50.50
Streptococcus equi equi (Strangles)	XSEQ	Swab, Lymph node	Quantitative assay NEW!	1 week	£79.00
Streptococcus equi equi / zooepidemicus	XSEE	Swab, Lymph node		2 - 4 days	£65.00
Taylorella equigenitalis	XTAY	Swab, Semen		2 - 4 days	£50.50
Tick-borne Encephalitis virus (TBE)	XTBE	CSF, Tick, Serum		2 - 4 days	£50.50
West Nile Virus	XWNV	EDTA, CSF		2 - 4 days	£50.50

Infectious Disease - PCR Farm Animal

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
Anaplasma phagocytophilum	ANAP	EDTA, Tick		2 - 4 days	£50.50
Actinobacillus pleuropneumoniae (porcine)	XAPP	Swab, Nasal lavage fluid		2 weeks	£66.00
Babesia species	BABP	EDTA, Tick		2 - 4 days	£50.50
Blue Tongue virus (BTV)	XBLU	EDTA blood		2 - 4 days	£50.50
Bordetella bronchiseptica	XBB	Swab		2 - 4 days	£50.50
Bornavirus	XBVE	EDTA, CSF		2 - 4 days	£50.50
Borrelia species	BORA	Synovial fluid/Synovium, Tick, CSF, Skin		2 - 4 days	£50.50
Bovine Coronavirus	BCV	Faeces, swab		2 - 4 days	£50.50
Bovine Herpesvirus 1	XBHP	Swab		2 - 4 days	£65.00
Bovine Parainfluenza Virus 3	XBP3	Swab, Nasal lavage fluid		2 - 4 days	£50.50
Bovine Respiratory Syncytial Virus	XBR5	Swab, Nasal lavage fluid		2 - 4 days	£50.50
Bovine Viral Diarrhoea Virus - Mucosal Disease	XBVD	EDTA, Milk, Faeces, Aborted material		2 - 4 days	£50.50
Brachyspira pilosicoli / hyodysenteriae	XBRA	Faeces		2 - 4 days	£50.50
Chlamydia species	CHP	Swab, Faeces, Milk, Tracheal lavage fluid, Urine, Aborted material		2 - 4 days	£50.50
Coxiella burnetii	XCOX	Swab, Faeces, Aborted material, Milk, Skin		2 - 4 days	£50.50
Cryptosporidium	XCRY	Faeces, Gastric lavage fluid		2 - 4 days	£50.50
Dermatophytes	DERP	Plucked hair from the active border of lesions		3 - 5 days	£50.50
Histophilus somni	HISN	Swab, Nasal lavage fluid		2 - 4 days	£50.50
Influenza A Virus	XIA	Swab, Nasal lavage fluid		2 - 4 days	£50.50
Lawsonia intracellularis	XLAW	Faeces		2 - 4 days	£50.50
Leptospira species	LEPP	Urine and EDTA, Milk, Semen, Aborted material		2 - 4 days	£50.50
Mannheimia haemolytica	MMGM	Swab, Nasal lavage fluid		2 - 4 days	£50.50
Mycobacterium paratuberculosis	XMPT	Faeces		2 - 4 days	£50.50
Mycoplasma bovis	XMB	Swab, Nasal lavage fluid, Milk, Synovial fluid		2 - 4 days	£50.50
Mycoplasma haemolamae	XMHL	EDTA	Llama, alpaca	2 - 4 days	£50.50
Mycoplasma hyopneumoniae	XMHP	Swab, Nasal lavage fluid		2 - 4 days	£50.50
Mycoplasma suis	XMS	EDTA		2 - 4 days	£50.50
Neospora caninum	NEOP	Swab, CSF, Tissue		2 - 4 days	£50.50
Pasteurella multocida	XPAM	Swab		2 - 4 days	£50.50

Infectious Disease - PCR Farm Animal

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
Porcine Circovirus 2	XMS	Swab, EDTA, Aborted material		2 - 4 days	£50.50
Porcine Coronavirus (TGE)	XTGE	Faeces		2 - 4 days	£50.50
Porcine Parvovirus (PPV)	XPPV	Swab, EDTA, Aborted material		2 - 4 days	£50.50
Porcine Reproductive and Respiratory Syndrome Virus	XPRR	Swab, Nasal lavage fluid, EDTA, Semen, Aborted material		2 - 4 days	£50.50
Toxoplasma gondii	TOXP	Aborted material		2 - 4 days	£50.50
Tritrichomonas foetus	TRIC	Swab, Prepuccial lavage		2 - 4 days	£50.50

Infectious Disease - PCR Avian

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
Adenovirus	ADVP	Swab or Tissue		2 - 4 days	£50.50
Bornavirus	XABV	Swab		2 - 4 days	£50.50
Chlamydia species	PSIT	Cloacal and/or throat swab, Faeces, Tissue		2 - 4 days	£50.50
Circovirus (pigeon)	PSIT	EDTA, Swab, Feather, Faeces		2 - 4 days	£50.50
Circovirus (PBFD virus)	XPCV	EDTA, Swab, Feather, Faeces		2 - 4 days	£50.50
Psittacine Circovirus (PBFD)	PBFD	EDTA, Feather	Abnormal or suspicious-looking feathers are ideal for PBFD	2 - 5 days	£50.50
Herpesviruses (Pacheco's disease)	XAHV	EDTA, Swab, Feather, Faeces		3 - 5 days	£50.50
Mycoplasma gallisepticum / synoviae	XMGA	Swab, Tissue, Faeces		2 - 4 days	£70.00
Paramyxovirus (aPMV-1)	XPAR	Swab, Tissue		2 weeks	£76.00
Polyoma Virus	PYV	EDTA, Feather		2 - 4 days	£50.50
Pox (Avipox virus)	POX	Skin, Scab, Lesion		2 - 4 days	£50.50
Reovirus	XREO	Swab, Faeces, Tissue		2 - 4 days	£50.50
Salmonella species	XSAL	Faeces, Swab, Tissue		2 - 4 days	£50.50
Avian Sex Determination	ADS	XSAL	EDTA, Feathers	1 week	£0
Tritrichomonas foetus	XATR	Swab		2 - 4 days	£50.50
West Nile Virus	WNVP	Swab		2 - 4 days	£50.50

Infectious Disease - PCR Small Mammals

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
Bordetella bronchiseptica	XBB	Swab	Rabbit	2 - 4 days	£50.50
Adenovirus	ADVP	Swab	Guinea pig (NEW!)	2 - 4 days	£50.50
Chlamydia species	CHP	Swab		2 - 4 days	£50.50
Coronavirus (enteric+systemic)	CEST	Faeces	Ferret (NEW!)	2 - 4 days	£60.00
Cryptosporidia	XCRY	Faeces		2 - 4 days	£50.50
Dermatophytes	DERP	Plucked hair from the active border of lesions	Rabbit, Guinea pig	2 - 4 days	£50.50
Distemper	CDVP	Swab, Urine, CSF, EDTA	Ferret, Raccoon	2 - 4 days	£50.50
Encephalitozoon cuniculi	ECUP	Urine, CSF		2 - 4 days	£50.50
European Brown Hare Syndrome Virus	XBHS	Faeces, Tissue	Hare	2 - 4 days	£50.50
Francisella tularensis	XFT	Swab, Lymph node, Tissue	Rabbit, Mouse	2 - 4 days	£50.50
Giardia	GIAP	Faeces		2 - 4 days	£50.50
Helicobacter species	XHEL	Tissue, Vomitus	Ferret	2 - 4 days	£50.50
Influenza A Virus	IAVR	Swab		2 - 4 days	£50.50
Lawsonia intracellularis	XLAW	Faeces		2 - 4 days	£50.50
Leptospira species	LEPP	Urine and EDTA, Tissue		2 - 4 days	£50.50
Microfilaria	MICX	EDTA Blood	Ferret	2 - 4 days	£65.00
Mycoplasma pulmonis	XMP	Swab, Tissue	Rat, Mouse	2 - 4 days	£50.50
Myxoma virus	MYXO	Swab	Rabbit	2 - 4 days	£50.50
Orthopoxvirus	XOPV	Scab	Rabbit, Guinea pig, Rat Mouse	2 - 4 days	£50.50
Parvovirus (Aleutian mink disease)	XAMD	Swab, EDTA, Faeces	Ferret	2 - 4 days	£50.50
Pasteurella multocida	XPAM	Swab	Rabbit	2 - 4 days	£50.50
Rabbit Haemorrhagic Disease (RHD)	XRHD	Fresh liver (in saline, no formalin), EDTA, Faeces, Swab, Urine	Rabbit. Including differentiation RHDV1 / RHDV2	2 - 4 days	£66.00
Salmonella species	XSAL	Faeces, Swab, Tissue		2 - 4 days	£50.50
Sarcoptes scabiei var. canis	XSAR	Skin scraping	Rabbit, Guinea pig, Ferret	2 - 4 days	£50.50
Toxoplasma gondii	TOXP	CSF, Tissue	Rabbit, Guinea pig	2 - 4 days	£50.50
Treponema paraluis-cuniculi	XTRE	Scab, Swab, Tissue	Rabbit	2 - 4 days	£50.50

Infectious Disease - PCR Reptiles

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
Adenovirus	ADVP	Swab, Tissue	Reptiles	2 - 4 days	£50.50
Arenavirus / Inclusion Body Disease	XIBD	Swab, EDTA, Tissue	Boas, Pythons	2 - 4 days	£50.50
Batrachochytrium dendrobatidis	XBDB	Swab, Tissue	Amphibians	2 - 4 days	£50.50
Batrachochytrium salamandrivorans	XBS	Swab, Tissue	Amphibians	2 - 4 days	£50.50
Carp Edema Virus (CEV)	XCEV	Tissue	Carp	2 - 4 days	£50.50
Chlamydia species	CHP	Swab, Nasal lavage fluid, Tissue	Reptiles, Amphibians	2 - 4 days	£50.50
Cryptosporidia	XCRY	Faeces, Gastric lavage fluid	Reptiles. Differentiation performed if positive for £19.00	2 - 4 days	£50.50
Encephalitozoon pogonae	ENPO	Tissue, faeces	Bearded dragons	2 - 4 days	£50.50
Entamoeba invadens	ENIN	Tissue, faeces	Snake (NEW!)	2 - 4 days	£50.50
Entamoeba spp.	ENSP	Tissue, faeces	Reptile (NEW!)	2 - 4 days	£50.50
Herpesvirus	HERP	Swab, Tissue	Reptiles, Koi carp	3 - 5 days	£50.50
Intranuclear Coccidians (TINC)	XINC	Swab, Nasal lavage fluid, Tissue	Tortoises, turtles	2 - 4 days	£50.50
Iridovirus	XIRI	Swab, Skin, Liver	Lizards	2 - 4 days	£50.50
Mycoplasma species	XMAP	Swab, Nasal lavage fluid	Tortoises	2 - 4 days	£50.50
Nidoviruses	XNID	Swab, Tracheal lavage fluid, Tissue	Pythons, Boa	2 - 4 days	£50.50
Nidoviruses (Shingleback Nidovirus)	NIDO	Swab, Tracheal lavage fluid	Tiliqua spp. (NEW!)	2 - 4 days	£0
Ophidiomyces ophiodiicola	OPOP	Swab, Skin, Tissue	Snakes	2 - 4 days	£50.50
Paramyxoviruses/Ferlaviruses	XPFV	Swab, Tracheal lavage fluid, Tissue	Reptiles	2 - 4 days	£50.50
Picornavirus (virus X)	XPIC	Swab, Tissue	Tortoises	2 - 4 days	£50.50
Ranaviruses	XRAN	Swab, Tissue	Reptiles, Amphibians, Fish	2 - 4 days	£50.50
Reoviruses	XREO	Swab, Tissue	Reptiles	2 - 4 days	£50.50
Salmonella species	XSAL	Faeces	Reptiles, Amphibians	2 - 4 days	£50.50
Sunshinevirus	XSUN	Swab, Tissue	Pythons	2 - 4 days	£50.50

Infectious Disease - PCR Bees

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
Chronic Bee Paralysis Virus	CBPV	Bees		2 - 4 days	£50.50
Deformed Wing Virus (DWV)	DWVP	Bees		2 - 4 days	£50.50
Melissococcus plutonius (EFB)	EFBP	Bees, bee larvae		2 - 4 days	£50.50
Nosemosis (microscopical)	NMSP	30-40 dead bees	If positive, differentiation Nosema apis / nosema ceranae	2 - 4 days	£50.50
Paenibacillus larvae	PBLP	Honey in plastic bag	Honey from cells close to the brood	10 days	£66.00
Sacbrood virus	SBVP	Bees		2 - 4 days	£50.50

PCR Profiles - Canine

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comment	Turnaround	Price
Canine Anaemia Profile	<i>Babesia</i> species, <i>Ehrlichia canis</i> , <i>Anaplasma phagocytophilum</i> , Haemotropic <i>Mycoplasma</i> species	CAPP	EDTA		3 - 5 days	£98.00
Canine Diarrhoea Profile	Coronavirus, Circovirus, Parvovirus, <i>Giardia</i> species, <i>Cryptosporidia</i> species	XCDP	Faeces		3 - 5 days	£104.00
Canine Eye Profile	Herpesvirus, <i>Chlamydia</i> species, <i>Mycoplasma</i> species	XCEP	Ocular / conjunctival Swabs		3 - 5 days	£83.00
Canine Lungworm	Angiostrongylus vasorum, Crenosoma vulpis	CALU	Faeces, BAL, EDTA blood	NEW!	3 - 5 days	£69.00
Canine Neurology Profile - Small	Distemper virus, <i>Neospora caninum</i> , <i>Toxoplasma gondii</i> , CSF protein.	CNPS	CSF		3 - 5 days	£83.00
Canine Neurology Profile - Large	<i>Anaplasma phagocytophilum</i> , <i>Neospora caninum</i> , <i>Toxoplasma gondii</i> , Distemper virus, plus C-reactive protein, Tick-Borne Encephalitis antibody, IgA and CSF protein	CNPC	CSF		3 - 5 days	£159.00
Canine Respiratory Profile - Small 1	Parainfluenza virus, Canine Respiratory Coronavirus, <i>Mycoplasma</i> species	XCR0	Swab, nasal flush, tracheal wash, BAL fluids	Updated!	3 - 5 days	£89.00
Canine Respiratory Profile - Small 2	Adenovirus, Canine respiratory Coronavirus, Parainfluenza virus, <i>Mycoplasma</i> species, <i>Bordetella bronchiseptica</i>	XCR1	Swab, nasal flush, tracheal wash, BAL fluids	Updated!	3 - 5 days	£105.00
Canine Respiratory Profile - Large	Adenovirus, Influenza A virus, Parainfluenza Virus, Herpesvirus, Canine Respiratory Coronavirus, <i>Bordetella Bronchiseptica</i> , <i>Mycoplasma</i> species	XCR2	Swab, nasal flush, tracheal wash, BAL fluids	Updated!	3 - 5 days	£159.00
Canine Reproduction Profile	Herpesvirus, <i>Chlamydia</i> species, <i>Mycoplasma</i> species, <i>Brucella canis</i>	XCRP	Swab, aborted material		3 - 5 days	£87.00

PCR Profiles - Feline

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comment	Turnaround	Price
Feline Diarrhoea Profile	Coronavirus, Tritrichomonas foetus, <i>Giardia</i> species, Parvovirus, <i>Cryptosporidia</i> species	XFDP	Faeces		duplicate	£0
Feline Eye Profile	Herpesvirus, <i>Chlamydia</i> species, <i>Mycoplasma felis</i>	FEVP	Ocular / conjunctival Swabs		3 - 5 days	£83.00
Feline Flea Profile	Haemotropic mycoplasma (including species differentiation), Rickettsia, <i>Bartonella henselae</i>	FLE1	EDTA, flea		3 - 5 days	£87.00
Feline Lungworm	Aelurostrongylus abstrusus, Troglostrongylus brevius	FELU	Faeces, BAL, EDTA blood	NEW!	3 - 5 days	£69.00
Feline Neurology Profile	Bornavirus, Coronavirus, <i>Toxoplasma gondii</i> , <i>Bartonella henselae</i>	XFN	CSF		3 - 5 days	£94.00
Feline Respiratory Profile - Small	Calicivirus, Herpesvirus	XFR1	Swab, nasal flush, tracheal wash, BAL fluids		3 - 5 days	£68.00
Feline Respiratory Profile - Medium	Calicivirus, Herpesvirus, <i>Chlamydia</i> species	XFR3	Swab, nasal flush, tracheal wash, BAL fluids		3 - 5 days	£84.00
Feline Respiratory Profile - Large	Calicivirus, Herpesvirus, <i>Chlamydia</i> species, <i>Bordetella bronchiseptica</i> , <i>Mycoplasma felis</i>	FRPL	Swab, nasal flush, tracheal wash, BAL fluids		3 - 5 days	£105.00
Feline Reproduction Profile	Herpesvirus, <i>Chlamydia</i> species, <i>Mycoplasma felis</i>	XFRP	Swab, Aborted material		3 - 5 days	£7.00

PCR Profiles - Equine

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Turnaround	Price
Equine Anaemia Profile	Anaplasma phagocytophilum, piroplasmidia (Babesia, Theileria species)	XEEA	EDTA	3 - 5 days	£87.00
Equine Eye Profile	Herpesvirus 2 and 5	XEEP	Ocular / conjunctival Swabs	3 - 5 days	£79.00
Equine Respiratory Profile - Small	Herpesvirus 1 and 4, Influenza A virus	XERP	Plain swab	3 - 5 days	£90.00
Equine Respiratory Profile - Medium	Herpesvirus 1, 4, Influenza A virus, Streptococcus equi equi / zooepidemicus	XER1	Plain swab	3 - 5 days	£98.00
Equine Respiratory Profile - large	Herpesvirus 1, 4, 5, Influenza A virus, Streptococcus equi equi, equine coronavirus	XER2	Plain swab	3 - 5 days	£109.00
Equine Respiratory Profile - Foal	Herpesvirus 1 and 4, Influenza A virus, <i>Rhodococcus equi</i> (incl vapA)	XERF	Swab, nasal flush, tracheal wash, BAL fluids	3 - 5 days	£109.00

Test	Includes	Code	Sample	Turnaround	Price
Camelid Abortion Profile	<i>Leptospira</i> , <i>Toxoplasma gondii</i> , <i>Chlamydia</i>	CABP	Aborted material, plain swab	3 - 5 days	£95.00
Equine Abortion Profile	Herpesvirus 1 and 4, Equine Viral Arteritis, <i>Leptospira species</i>	XEAP	Swab, Aborted material	3 - 5 days	£105.00
Uveitis Profile	Leptospira Ab, PCR: <i>Leptospira</i> , Herpesvirus 1	UVEI	Aqueous humor	3 - 5 days	£87.00

More PCR profiles available upon request

PCR Profiles - Farm Animal

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Turnaround	Price
Bovine Abortion Profile	Bacteriology, PCR: <i>Neospora caninum</i> , <i>Coxiella burnetii</i> , <i>Chlamydia species</i> , BVDV	XBAP	Aborted material, plain swab	3 - 5 days	£119.00
Bovine Respiratory Profile 1	Bacteriology, PCR: BRSV, BPIV-3, <i>Mycoplasma bovis</i>	XBRP	Plain swab	3 - 5 days	£109.00
Bovine Respiratory Profile 2	Bacteriology, PCR: <i>Mannheimia haemolytica</i> , <i>Pasteurella multocida</i> , <i>Histophilus somni</i> , <i>Mycoplasma bovis</i>	XBR2	Plain swab	3 - 5 days	£120.00
Camelid Abortion PCR Profile	PCR: <i>Leptospira species</i> , <i>Toxoplasma gondii</i> , <i>Chlamydia species</i>	XCAP	Aborted material, plain swab	3 - 5 days	£90.00
Mastitis PCR Profile	PCR assays for 16 mastitis pathogens (including <i>Mycoplasma</i> , yeast, <i>Prototheca species</i>) and β -lactamase-gene (no sensitivities)	XMAS	Milk	3 - 5 days	£65.00
Small Ruminant Abortion Profile	Bacteriology, PCR: <i>Chlamydia species</i> , <i>Coxiella burnetii</i>	XSRA	Aborted material, plain swab	3 - 5 days	£98.00
Porcine Respiratory Profile	Bacteriology, PCR: <i>M. hyopneumoniae</i> , APP, PRRSV, influenza AV, <i>P. multocida</i> (toxin producing)	XPRP	Nasal lavage and/or swab plus Bacterial swab	3 - 5 days	£142.00
Porcine Reproduction PCR Profile	PCR: PPV, PRRSV, PCV-2, <i>Leptospira species</i> , <i>Chlamydia species</i>	XPRE	Aborted material, plain swab	3 - 5 days	£109.00

PCR Profiles - Tick-Borne Disease

All tests include full reporting unless otherwise stated

Test	Includes	Code	Comment	Turnaround	Price
Tick Borne Disease	<i>Borrelia species</i> , Tick-Borne Encephalitis virus, <i>Babesia species</i> , <i>Anaplasma phagocytophilum</i> , <i>Ehrlichia canis</i> , <i>Hepatozoon canis</i>		Serology and PCR testing available upon request. The selection of samples and tests to perform depend on the time of exposure and clinical signs.	Contact the laboratory	

PCR Profiles - Avian

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comment	Turnaround	Price
Avian Sex Determination		ADS	EDTA, Feathers		1 week	£55.00
Avian 1	Sex determination, Circovirus (Beak and Feather Disease - PBFD)	XAV1	EDTA, Feathers	Abnormal or suspicious-looking feathers are ideal for PBFD	1 week	£76.00
Avian 2	Polyomavirus, PBFD	XAV2	EDTA, Feathers	Abnormal or suspicious-looking feathers are ideal for PBFD	1 week	£76.00
Avian 3	Polyomavirus, PBFD, Sex determination	XAV3	EDTA, Feathers	Abnormal or suspicious-looking feathers are ideal for PBFD	1 week	£87.00
Avian 4	Polyomavirus, PBFD, Sex determination, Herpesvirus	XAV4	EDTA, Feather plus Cloacal swab for Herpes	Abnormal or suspicious-looking feathers are ideal for PBFD	1 week	£98.00
Avian 5	Polyomavirus, PBFD, Herpesvirus, <i>Chlamydia</i> , Bornavirus	XAV5	Swab, EDTA and Feathers	PBFD - Abnormal or suspicious-looking feathers. <i>Chlamydia</i> (Psittacosis) - Cloacal and/or throat swab. Bornavirus - 4 - 8 plucked chest feathers	1 week	£109.00
Avian 6	Polyomavirus, PBFD, <i>Chlamydia</i>	XAV6	Swab, EDTA and Feathers	PBFD - Abnormal or suspicious-looking feathers. <i>Chlamydia</i> (Psittacosis) - Cloacal and/or throat swab.	1 week	£98.00

PCR Profiles - Small mammals

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comment	Turnaround	Price
Respiratory Profile Ferret	Distemper virus, Influenza A virus, SARS-CoV2	ZRRF	Plain swab, BAL, tissue		3 - 5 days	£95.00
Respiratory Profile Rabbit	<i>Bordetella bronchiseptica</i> , <i>Chlamydia</i> , toxigenic <i>Pasteurella multocida</i>	XRRP	Swab		3 - 5 days	£95.00

PCR Profiles - Reptiles / Amphibians

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Turnaround	Price
Quarantine Profile (Lizard)	Adenovirus, Ranavirus, Reovirus	XQPL	Swab	3 - 5 days	£95.00
Quarantine Profile (Boa, Python)	Adenovirus, Reovirus, Arenavirus, Paramyxovirus/Ferlavirus, <i>Mycoplasma</i> species	XQPS	Swab and EDTA	3 - 5 days	£106.00
Quarantine Profile (Colubrid, Viper)	Adenovirus, Ophidiomyces ophiodiicola, Paramyxoviruses/Ferlaviruses, Reoviruses	XQPV	Swab	3 - 5 days	£95.00
Quarantine Profile (Turtle/Tortoise)	Testudinid Herpesvirus 1 and 3 (serology), <i>Mycoplasma agassizii</i> (PCR), Picornavirus (PCR), Ranavirus (PCR), Herpesvirus (PCR)	XQPT	Swab, Nasal lavage plus Heparinized plasma	1 - 2 weeks	£150.00
Respiratory Profile Turtle/Tortoise - Small	Herpesvirus, <i>Mycoplasma agassizii</i>	XRPT	Swab, Nasal lavage fluid	3 - 5 days	£79.00
Respiratory Profile Turtle/Tortoise - Large	Herpesvirus, <i>Mycoplasma agassizii</i> , Picornavirus	XRTL	Swab, Nasal lavage fluid	3 - 5 days	£95.00
Neurological/Respiratory Profile (Pythons)	Adenovirus, Reovirus, Arenavirus, Paramyxovirus/Ferlavirus, Nidovirus, <i>Mycoplasma</i> species	XRNS	Swab and EDTA	3 - 5 days	£113.00
Neurological/Respiratory Profiles (Boas)	Adenovirus, Arenavirus, Paramyxovirus/Ferlavirus, Reovirus	XRNB	Swab and EDTA	3 - 5 days	£101.00
Aquatic Turtle Profile	Herpesvirus, <i>Mycoplasma</i> , ranavirus (NEW!)	ATP	Swab, Nasal lavage fluid	3 - 5 days	£89.00
Amphibian Profile	<i>Batrachochytrium dendrobatidis</i> , <i>Batrachochytrium salamandrivorans</i> , Ranavirus	XAP	Swab and Tissue	3 - 5 days	£95.00
Skin Profile (Lizard)	Mycology. PCR: Adenovirus, Iridovirus, Ranavirus	XLSK	Skin	3 - 5 days	£95.00
Koi Carp Profile	Koi Herpesvirus, Carp Edema virus	KCPR	Tissue	3 - 5 days	£76.00

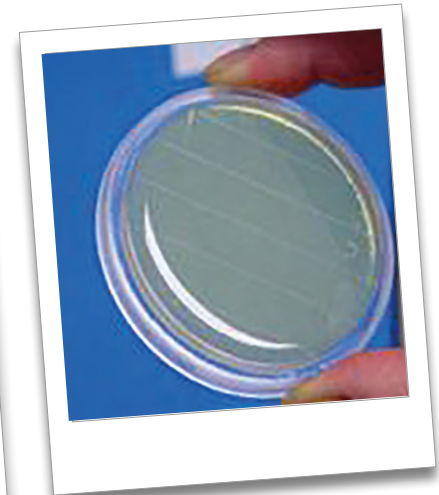
Travel Profiles

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comment	Turnaround	Price
Canine Travel Profile 1	Serology for Leishmania, Ehrlichia canis, Babesia species	CTP1	Serum		2 - 4 days	£85.00
Canine Travel Profile 2 (Mediterranean area)	Serology: Leishmania, Ehrlichia canis, Babesia species, Rickettsia sp. Antigen: Dirofilaria immitis. PCR: Hepatozoon, Microfilaria, Anaplasma platys	CTP2	EDTA and Serum	Southern Spain, Balearic Islands, Canary Islands, Portugal, Greece, Southern Italy, Croatia, Turkey, Albania, Southern Romania, Bulgaria, Serbia, Bosnia UPDATED!	3 - 5 days	£152.00
Canine Travel Profile 3 (Continental Europe)	Serology: Leishmania, Ehrlichia canis, Babesia species, Anaplasma phagocytophilum PCR: Microfilaria	CTP3	EDTA and Serum	France, Northern Spain, Northern Italy, Slovenia UPDATED!	3 - 5 days	£120.00
Canine Travel Profile 4 (Eastern Europe)	Serology: Babesia species, Anaplasma phagocytophilum, Rickettsia species. Antigen: Dirofilaria immitis. PCR: Microfilaria	CTP4	EDTA and Serum	Poland, Czech Republic, Hungary, Ukraine, Slovakia, Northern Romania UPDATED!	3 - 5 days	£101.00
Canine Travel Profile 5 (Northern Central Europe)	Serology: Borrelia, Neospora caninum, Anaplasma phagocytophilum, Babesia. Antigen: Dirofilaria immitis.	CTP5	EDTA and Serum	NEW!	3 - 5 days	£105.00
Canine Travel Profile 6 (Northern Central Europe)	Serology: Toxoplasma, Bartonella henselae, Rickettsia felis. PCR: Anaplasma phagocytophilum, haemotropic mycoplasma (including diff.).	CTP6	EDTA and Serum	NEW!	3 - 5 days	£101.00
Canine Travel Profile - Acute	FBC, Serology: Borrelia. Antigen: Dirofilaria immitis. PCR: Anaplasma phagocytophilum, Babesia, haemotropic mycoplasma (including species differentiation)	CTP7	EDTA	UPDATED!	3 - 5 days	£105.00
Feline Travel Profile	Serology: Leishmania, Rickettsia felis, Bartonella henselae, FIV. Antigen: FeLV. PCR: Microfilaria, Hepatozoon, Cytauxzoon, Babesia (including species diff.).	FTP	EDTA and Serum	UPDATED!	3 - 5 days	£133.00
Leishmania Profile	FBC, total protein, albumin, globulin, creatinine, urea, ALT, AST, ALP, UPC, Leishmania (ELISA), serum protein electrophoresis (SPE)	LEIL	EDTA, Serum, Urine		3 - 5 days	£113.00
Vector-borne diseases Profile	Serology: Borrelia, Babesia species, Anaplasma phagocytophilum	VBDP	EDTA or serum		3 - 5 days	£84.00

Microbiology at BattLab

- Exact identification of both aerobic and anaerobic bacteria by **Matrix-Assisted Laser Desorption/Ionization Time-of-Flight mass-spectrometer (MALDI-TOF)**. This technology generates characteristic mass spectral fingerprints, that are unique signatures for each microorganism and are thus ideal for an accurate microbial identification at the genus and species level.
- **Extensive antibiotic sensitivity panels** tailored on the isolated bacteria. These are performed with microdilution technology providing **minimum inhibitory concentration (MIC)** for selected antibiotics based on Clinical and Laboratory Standards Institute (CLSI) guidelines and European Committee on Antimicrobial Susceptibility Testing (EUCAST). This quantitative method of susceptibility testing helps determine which class of antibiotic is most effective. This information can lead to an appropriate choice of an antibiotic that will increase chances of treatment success and help in the fight to reduce antibiotic resistance.
- Extensive antibiotic sensitivity panels with **reserve antibiotics** are available for exceptional cases and upon request.
- **Fungal cultures** including Dermatophytes.
- **Serology and PCR tests** for selected bacteria and fungi.



Microbiology

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comment	Turnaround	Price
Aerobic Culture	Aerobic bacterial cultures, systemic and topical (where appropriate) antibiotic sensitivities	CUL1	Charcoal swab		1 - 5 days	£40.00
Aerobic Culture Additional Site	Aerobic bacterial cultures, systemic and topical (where appropriate) antibiotic sensitivities	CU1+	Charcoal swab		1 - 5 days	£22.00
Aerobic and Anaerobic Culture	Aerobic and anaerobic bacterial cultures, fungal culture, systemic and topical (where appropriate) antibiotic sensitivities	CUL2	Charcoal swab		1 - 5 days	£45.00
Aerobic and Anaerobic Culture Additional Site	Aerobic and anaerobic bacterial cultures, fungal culture, systemic and topical (where appropriate) antibiotic sensitivities	CU2+	Charcoal swab		1 - 5 days	£26.50
Blood Culture	Aerobic and anaerobic bacterial cultures, systemic antibiotic sensitivities	BC&C	Culture media jar supplied upon request		1 - 5 days	£51.00
Environmental Culture	Aerobic bacterial cultures	CULS	Charcoal swab / contact plate		1 - 5 days	£32.50
Environmental Culture Extended	Aerobic bacterial cultures, Salmonella culture, Campylobacter culture	CUL+	Charcoal swab / contact plate		1 - 5 days	£41.00
Faecal Bacterial Pathogens	Aerobic bacterial cultures, Salmonella culture, Campylobacter culture	GE10	Fresh faeces	All species	1 - 4 days	£39.50
Milk examination		MILK	Milk	Cow. If antibiogram needed (+£19.80)	2 - 4 days	£34.00
Nocardia, Actinomyces culture		NAC	Swab		up to 2 weeks	£30.00
Urine Culture and Sensitivity	Aerobic bacterial culture and antibiotic sensitivities	CUL1	5 ml urine, Boric acid	Fill tube to the black arrow mark to avoid too high of a boric acid concentration	1 - 5 days	£40.00

Dermatology

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comment	Turnaround	Price
Dermatophytes Culture		FUNG	Plucked hairs from the active border of lesions	May take 2 - 4 weeks for growth	Up to 4 weeks	£32.00
Dermatophytes PCR	PCR detection of <i>M. canis</i> , <i>M. gypseum</i> , <i>M. persicolor</i> , <i>T. mentagrophytes</i> , <i>T. equinu</i> , <i>Trichophyton species of Arthroderma benhamiae</i> , <i>Trichophyton equinum</i> , <i>Trichophyton verrucosum</i> , <i>Trichophyton erinacei</i>	DERP	Skin scraping, plucked hairs	Species differentiation possible in positive cases (+£29)	3 - 5 days	£50.50
Demodex PCR	Semi-quantitative real-time PCR for <i>D. canis</i> , <i>D. injai</i> , <i>D. cornei</i> , <i>D. cati</i> , <i>D. gato</i> , <i>D. felis</i>	XDEM	Skin scraping		2 - 4 days	£50.50
Sarcoptes Antibody		SAR	Serum	Canine only	2 - 4 days	£51.50
Sarcoptes PCR	Real-time PCR for <i>Sarcoptes scabiei var. canis</i>	XSAR	Skin scraping		2 - 4 days	£50.50
Skin Microscopy (Scraping) / ear microscopy	Microscopy for parasites, fungal elements/spores, bacteria, yeast	DER1	Skin scraping, dry ear swab	Up to 4 slides from the same animal	Same day	£22.00
Skin Microscopy (Scraping) and Dermatophyte Culture	Microscopy for parasites, fungal elements/spores, bacteria, yeast and Dermatophyte culture	DER2	Skin scraping, plucked hairs, skin swab, ear swab		Same day, up to 3 weeks for Dermatophytes	£40.00
Skin Microscopy (Scraping) / ear microscopy, Fungal and Bacterial Culture	Microscopy for parasites, fungal elements/spores, bacteria and yeast, fungal and bacterial culture	DER3	Skin scraping, plucked hairs, skin swab, ear swab		Same day, 1 - 5 days for bacterial culture ¹	£53.00
Skin Microscopy (Scraping) / ear microscopy, Fungal and Bacterial Culture with possible Canine Hypothyroidism	Microscopy for parasites, fungal elements/spores, bacteria and yeast, fungal and bacterial culture, T4 and TSH	DER4	Skin scraping, plucked hairs, swab and 1ml serum		Same day, 1 - 5 days for bacterial culture ¹	£86.00

NOTES

Please avoid submitting skin scrapings with oil, if possible. Charcoal swabs should be used for microbiology culture unless otherwise indicated. Culture results are accompanied by MALDI-TOF identification when appropriate or when specifically requested. Sensitivity panels are tailored according to species, site and organism isolated and are included in the cost of the culture test. If specific antibiotics are required, please indicate this clearly in the clinical information box. These will be performed, where possible. An extra charge will be applied.

Immunology

All tests include full reporting unless otherwise stated

Test	Code	Sample	Comment	Turnaround	Price
Acetylcholine Receptor Antibody	ARA	1 - 2 ml Serum	To aid in the diagnosis of myasthenia gravis. Collect serum sample PRIOR to initiation of corticosteroid or other immunosuppressive therapy.	3 - 4 days	£72.00
Anti Nuclear Antibody Test (ANA)	ANA	1 - 2 ml Serum	To aid in the diagnosis of autoimmune disease (eg. SLE). Collect serum sample PRIOR to initiation of corticosteroid or other immunosuppressive therapy.	3 - 4 days	£47.00
IgA	IGA	Serum		3 - 4 days	£40.00
IgG	IGGC	Serum		3 - 4 days	£40.00
IgM	IGM	Serum		3 - 4 days	£40.00
Serum protein electrophoresis	SPE	Serum	Capillary electrophoresis	3 - 4 days	£30.00
Urine protein electrophoresis	UPE	Urine	Gel electrophoresis	3 - 4 days	£51.00
Muscle Fibre Antibody Type 2M	MASM	1 - 2 ml Serum	To aid in the diagnosis of masticatory muscle myositis. Collect serum sample PRIOR to initiation of corticosteroid or other immunosuppressive therapy.	2 - 3 weeks	£145.00
Rheumatoid Factor	RF	Serum	To aid in the diagnosis of immune-mediated disease (eg. rheumatoid arthritis). Collect serum sample PRIOR to initiation of corticosteroid or other immunosuppressive therapy.	3 - 4 days	£40.00

Allergy testing at BATTLAB

- In dogs, cats and horses, atopic dermatitis is known as an allergy to pollen, dust mites and/or moulds.
- Allergic patients have high concentrations of IgE directed against environmental or food allergens.
- When allergy is suspected, we recommend performing serology testing (ELISA Fcε-receptor test in dogs and cats, ELISA in horse) starting with **ALLERGY SCREENING PANEL** that includes pollen, mites, moulds, flea saliva.
- In case of **positive allergy screening panel**, we offer two further panels, based on the environment the patient lives in:
 - For indoor housing, we recommend **PERENNIAL ALLERGY PANEL**, which includes:

Dog, Cat:

- ✓ Moulds: Alternaria alternata, Aspergillus fumigatus, Cladosporium herbarum, Penicillium notatum.
- ✓ Mites: Dermatophagoides farinae, Dermatophagoides pteronyssinus, Acarus siro, Tyrophagus putrescentiae.

Horse:

- ✓ Moulds: Alternaria alternata, Aspergillus fumigatus, Aspergillus niger, Cladosporium sp., Epicoccum sp., Helminthosporium sativum, Penicillium sp., Fusarium spp., Ustilago sp., Rhizopus sp.
- ✓ Mites: Dermatophagoides farinae, Dermatophagoides pteronyssinus, Acarus siro, Tyrophagus putrescentiae, Glycophagus domesticus, Lepidoglyphus destructor.
- For outdoor housing, we recommend **SEASONAL ALLERGY PANEL**, which includes:



Dog, Cat:

- ✓ Pollen: 6-grass mix (Orchard grass, Perennial ryegrass, Timothy grass, Meadow fescue, Kentucky blue grass, Velvet grass); Rye, Mugwort, Ragweed, English plantain, Nettle, Sheep sorrel, Birch, Hazel, Willow.

Horse:

- ✓ Pollen: 6-grass mix (Orchard grass, Perennial ryegrass, Timothy grass, Meadow fescue, Kentucky blue grass, Velvet grass); Rye, Mugwort, Lamb's quarter/goosefoot, English plantain, Nettle, Sorrel, Dandelion, Rape, Ragweed, Hazel, Alder, Poplar, Birch, Beech, Willow.
- Seasonal allergens of dogs and cats can be affected by the presence of **anti-CCD IgE** (antibodies on carbohydrate side chains of plants) resulting into extremely positive results (positive to nearly every allergen). CCD reactivity can be identified with CHO test, that identifies IgE to the CCD determinant. When the **CHO test** is positive, an inhibitor is used to block the CCD reaction, and this eliminates false positive reactions.



Allergy - Canine / Feline

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Comment	Turnaround	Price
Screening Test	Mites, Pollens, Moulds, Flea	ALLB	3 ml Serum	Including CHO test and blocking as needed.	3 - 4 days	£65.00
Seasonal (Outdoor) Panel	Grasses, Weeds, Tree pollen	ALLS	1 ml Serum		3 - 4 days	£99.00
Perennial (Indoor) Panel	Moulds, Mites	ALLP	1 ml Serum		3 - 4 days	£99.00
Pruritus profile (dog)	Screening test + Sarcoptes IgG	PRPR	3 ml Serum		3 - 4 days	£98.00
Pruritus Profile (dog) - Large	Seasonal and Perennial Panel, Food Allergens Basic, Food Allergens Extended, Sarcoptes IgG, Flea saliva	PRPL	3 ml Serum		~1 week	£345.00
Feathers/Hairs/Epithelia	Cat, Dog, Rabbit, Guinea pig, Parrot, Feather mix	AFHE	1 ml Serum		~1 week	£83.00
Insect Panel	Deerfly, gnat, mosquito, horse fly, stable fly, cockroach	AINS	1 ml Serum		~1 week	£111.00
Mediterranean Panel	Grasses, Weeds, Tree pollen, Moulds, Mites	AMED	1 ml Serum		~1 week	£196.00
Hymenoptera Panel	Bee, Wasp, Hornet, Paperwasp	AHYM	1 ml Serum		up to 2 weeks	£138.00
Flea Saliva IgE		FLEA	> 0.5 ml Serum		3 - 4 days	£47.00
Malassezia IgE		ALLM	> 0.5 ml Serum		~1 week	£49.00
Staphylococcus IgG		ALST	> 0.5 ml Serum		3 - 4 days	£34.00
Canine Sarcoptes IgG		SAR	> 0.5 ml Serum	Canine only	2 - 4 days	£51.50
Food Allergens (dog)	IgE and IgG against commonly used food ingredients	CFAT	1 ml Serum		3 - 4 days	£115.00
Food Allergens Extended (dog)	IgE and IgG against Horse, Ostrich, Kangaroo, Wild boar, Reindeer, Amaranth, Parsnip and Millet	ACFE	1 ml Serum		~1 week	£87.00
Food Allergens Exotics (dog, cat)	IgE and IgG against trout, goat, camel, buffalo, quail, hermetia/ insect, sweet potato, sunchoke, buckwheat, bean, carrot, pumpkin, zucchini, pea, yeast	FAEX	1 ml Serum		~1 week	£137.00
Food Allergens (cat)	IgE and IgG against commonly used food ingredients	FFAT	1 ml Serum		3 - 4 days	£115.00
Food Allergens Extended (cat)	IgE and IgG against Horse, Ostrich, Venison, Rabbit, Wild boar, Reindeer, Amaranth and Millet	AFFE	1 ml Serum		~1 week	£87.00
Gluten Sensitivity		GLUS	1 ml Serum	Canine only	up to 2 weeks	£84.00

Allergy - Equine

All tests include full reporting unless otherwise stated

Test	Includes	Code	Sample	Turnaround	Price
Screening Test	Mites, Pollens, Moulds, Flea	EALB	3 ml Serum	3 - 4 days	£72.00
Seasonal (Outdoor) Panel	Grasses, Weeds, Tree pollen	EALS	1 ml Serum	3 - 4 days	£109.00
Perennial (Indoor) Panel	Moulds, Mites	EALP	1 ml Serum	3 - 4 days	£109.00
Feathers/Hairs/Epithelia	Cat, Dog, Rabbit, Guinea pig, Parrot, Feather mix	EFHE	1 ml Serum	~1 week	£83.00
Insect Panel	Simulium, Culex, Tabanus, Musca, Culicoides	EINS	1 ml Serum	3 - 4 days	£111.00
Equine Food Allergies	IgE and IgG against wheat, barley, oats, corn, molasses, soy, yeast and alfalfa	EFAE	1 ml Serum	~1 week	£115.00

Allergy - Allergen-Specific Immunotherapy - Subcutaneous

All tests include full reporting unless otherwise stated

Test	Includes	Code	Comment	Turnaround	Price
Immunotherapy 1 - 4 allergens	injectable hyposensitization - see package insert information	ALV1	Written prescription and import certificate available from the VMD website needed to order immunotherapy.	~2 weeks	£181.00
Immunotherapy 5 - 8 allergens	injectable hyposensitization - see package insert information	ALV2	Written prescription and import certificate available from the VMD website needed to order immunotherapy.	~2 weeks	£251.00
Immunotherapy > 8 allergens	injectable hyposensitization - see package insert information	ALV3	Written prescription and import certificate available from the VMD website needed to order immunotherapy.	~2 weeks	£425.00

Parentage/Genetic Diseases

Tests below are commonly requested tests for genetic disease but many more are available. Please contact the laboratory if you do not see what you are looking for.

Sample material: 0.5 - 1 ml EDTA-blood, buccal swabs*

For breed identification testing contact the laboratory prior sampling as a special buccal swab is required.

Species	Code	DNA test	Breed	Price
Dog/cat	ID	DNA profiling - to provide a unique identifier for your dog	All	£40.00
Dog/cat	PAR	Parentage - to clarify whether supposed parents of a given animal are the true biological parents	All	
Dog	DNAB	Breeds identification - to provide you information about which canine breeds your mixed breed dog is made of. If interested in this test, contact the laboratory that will provide you a special buccal swab for sample collection	All mixed breed dogs	£82.00
Dog	8038	Acral mutilation syndrome (AMS)	Cockapoo, English Cocker Spaniel, English Pointer, English Springer Spaniel, French Spaniel, German Shorthair Pointer	£40.00
Dog	CN	Cystinuria	Newfoundland, Landseer, Labrador	£40.00
Dog	CDMM	Degenerative myelopathy (exon 2)	All breeds	£55.00
Dog	EIC	Exercise induced collapse (EIC)	Labrador Retriever, Cocker Spaniel and others	£55.00
Dog	EF	Episodic Falling	Cavalier King Charles Spaniel	£40.00
Dog	FN	Familial nephropathy (FN)	English Cocker Spaniel	£40.00
Dog	FN1	Familial nephropathy (FN)	English Springer Spaniel, Samoyed	£40.00
Dog	FUC	Fucosidosis	English Springer Spaniel	£40.00
Dog	8576	Hereditary cataract (HSF4)	Boston Terrier, French Bulldog, Staffordshire Bull Terrier	£40.00
Dog	8154	Hyperuricosuria (SLC)	All breeds	£40.00
Dog	8475	Imerslund-Gräsbeck syndrome (IGS) - cobalamin malabsorption	Beagle, Border Collie, Komondor	£40.00
Dog	8125	L-2-hydroxyglutaric aciduria (L2HGA)	Staffordshire Bull Terrier, Yorkshire Terrier	£40.00
Dog	8005	Lafora disease	Basset Hound, Beagle, Chihuahua, Dachshund, French Bulldog For this test EDTA sample only	£80.00
Dog	MDR1	MDR1 gene defect (ivermectin sensitivity)	Border Collie, Rough Collie and others	£40.00
Dog	MC	Myotonia congenita	Miniature Schnauzer	£40.00
Dog	PRA	Progressive retinal atrophy - please contact the laboratory as several genetic tests are available for this disease and these may vary depending on the breed		Contact the laboratory

Parentage/Genetic Diseases

Tests below are commonly requested tests for genetic disease but many more are available. Please contact the laboratory if you do not see what you are looking for.

Sample material: 0.5 - 1 ml EDTA-blood, buccal swabs*

For breed identification testing contact the laboratory prior sampling as a special buccal swab is required.

Species	Code	DNA test	Breed	Price
Cat	4FCP	Combination genetic diseases cat: HCM, HCR, GSD4, PKD, PRA, PK-Def., SMA genetic blood determination	All breeds	£66.60
Cat	HCM	Hypertrophic cardiomyopathy (HCM1)	Maine Coon	£28.80
Cat	8116	Hyperthrophic cardiomyopathy (HCM3)	Ragdoll	£40.00
Cat	8453	Hypokalemia	Australian Mist, Burmese, Cornish Rex, Devon Rex, Singapura, Sphynx, Tonkinese	£40.00
Cat	PKD	Feline Polycystic Kidney Disease	All breeds	£40.00
Cat	8047	Pyruvate kinase deficiency	Abyssinian, Bengal , Domestic Longhair, Domestic Shorthair, Egyptian Mau, La Perm, Maine Coon, Norwegian Forest Cat, Ocicat, Savannah, Siberian, Singapura, Somali	£40.00

Horse		Coat colour / coat structure	All breeds	Contact the laboratory
Horse	8458	Dwarfism	Miniature Horse, Shetland Pony	£55.00
Horse	8160	Equine malignant hyperthermia (EMH)	All breed	£55.00
Horse	8464	Hoof wall separation disease (HWSD)	Connemara Pony	£55.00
Horse	PSSM	Polysaccharide storage myopathy type 1	All breeds	£40.00

Large animals		Please contact the laboratory for more details		
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* contact BattLab for suitability, supply and use of cheek brushes

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Why *BattLab* ?

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