SEROLOGY CLINICAL-PATHOLOGY VIROLOG IOCHEM-R ISTRY PCRTESTIN AMI FARM NAL HEALTH SCHEMES R B E ESTIN FOOD SAFET C B Ξ R Λ RASI 0 L 0 C Y NTRAC  $\mathbf{C}$ CH. RESE

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# biobest Veterinary Diagnostic Laboratory

2020 Price List

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Download Biobest's desktop app now to access our complete range of submission forms Ε with one click: www.biobest.co.uk/submissionformapp

Alternatively, please visit www.biobest.co.uk to print off the appropriate submission form to send with your sample.

There is also guidance for packaging your sample and a copy of Biobest's weekly test schedule is available to download.

Please send all samples (except ruminant bacteriology pigeon & game bird) to:

**Biobest Laboratories Ltd** 6 Charles Darwin House The Edinburgh Technopole Milton Bridge Nr Penicuik EH26 OPY United Kingdom

Please send all ruminant bacteriology, pigeon and game bird samples to:

**Biobest Laboratories Ltd** Castle House Dale Road Sheriff Hutton York YO60 6RZ United Kingdom

We offer local pick up of samples in Edinburgh and York areas, please call us on 0131 440 2628 for more information.



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Welcome to the 2020 Biobest brochure. 2020 is a milestone year for Biobest as we reach our silver anniversary. Biobest was founded by Dr David Snodgrass in 1995 when he identified a gap in the market Bio for a private veterinary virology laboratory. Initially Biobest operated as a specialist referral laboratory, only accepting samples via other veterinary laboratories. David soon realised that there was also a need in the market for a GLP accredited virology lab to assist pharma 0 companies with study work and so systems were quickly introduced to allow Biobest to gain GLP accreditation, our first quality standard. Q Quality has remained the fundamental to Biobest's success and, over the years, we have added ISO:17025 and GMP accreditation and are also the largest VMD authorised equine stem cell centre in the UK.

In 2000 David took the bold step of setting up a second laboratory for Biobest, a high containment facility which enabled us to perform rabies testing for the newly created pet travel scheme. This was a truly transformational event in the history of Biobest as the high demand for this test over the years has allowed the business to grow and prosper, eventually becoming a 'one stop shop' for all veterinary laboratory requirements.

Biobest was purchased by the Origin group in 2014 which was subsequently purchased by Vet Partners in 2018. As such Biobest are now part of one of the largest veterinary groups in the UK and have multiple specialist laboratory sites in both Edinburgh and York.

For

Submission

















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The Biobest team have strong and varied academic and technical experience, as well as enthusiasm for delivering the best for our customers. We offer our unique blend of expertise in virology and genetics with commercial dynamism and excellent customer service.



### Paul Burr BSc(VetSci)Hons BVM&S PhD MRCVS - Laboratory Director

Paul has 5 years experience of farm practice, followed by 10 years of diagnosis and research in infectious diseases. Advising both vets and farmers on infectious disease problems and health scheme operation remains an important and enjoyable part of his role at Biobest. Paul has regularly presented papers at British Cattle Veterinary Association meetings and often does talks to vets and farmer meetings on infectious disease.



### Stuart Marshall BSc (Hons) MBA - Chief Operations Officer

Stuart graduated from the University of Edinburgh with an honours degree in Virology in 1998. He joined Biobest in 1999 following a 12 month placement with the IBR research team at the Moredun Research Institute. Stuart also has an MBA from the University of Warwick where his thesis was on the use of lean manufacturing techniques within the laboratory environment. In his role as Chief Operations Officer of the Biobest lab group Stuart has day to day management responsibility for all the Biobest lab sites.



#### Susan Duthie BVMS PhD CertVR MRCVS - Veterinary Manager

Susan graduated from the University of Glasgow Vet School and went straight into mixed practice. Five years later, she returned to Glasgow to complete a PhD encompassing veterinary virology. After completing a related post-doctoral study, she joined Biobest in 2003. Susan has daily involvement with the HiHealth Herdcare Cattle Health Scheme, providing reports and advice for members, and is a member of the CHeCS Technical committee.



#### Jennifer Bunyan BSc (Hons) Cert Mgmt (Open) - Lab Manager

After graduating with an honours degree in Neuroscience from the University of Edinburgh, Jennifer started with Biobest in 2001. Since then Jennifer has progressed within the company to Laboratory Manager overseeing a team of 22 scientists and technicians. In 2010 she also obtained an Open University professional certificate in management winning the Derek Pugh award for best student. At Biobest she takes responsibility for all aspects of laboratory management to ensure we provide our customers with the highest possible standards of testing in an efficient and timely fashion.



#### Kieran McDonald BSc (Hons) MA - Techincal Manager

Since joining Biobest with a degree in microbiology, Kieran has worked in a range of roles before devoting the majority of his time to test development, as well as cell and tissue culture. Since gaining his master's degree, he has spent 15 years growing stem cells which have been used in the treatment of over 2500 competitive sports horses and companion animals.



#### Maggie Carson BSc - Farm Animal Manager

Maggie joined Biobest in 2014 as the bovine administrator for the HiHealth Herdcare team, promoted to Deputy Farm Animal Manager in 2016 and subsequently to Farm Animal Manager in 2019. A University of Edinburgh chemistry graduate, she spent a few summers working and travelling in America before taking on her role here at Biobest. Maggie is responsible for the day to day management of the bovine testing; writing reports and preparing accreditation and sales certificates. She also plays an active role in advising new and current members.

#### Rebecca Mearns, MA VetMB CertSHP MRCVS - Veterinary Adviser



Rebecca joined Biobest as Senior Veterinary Advisor in January 2015 to work within the HiHealth Herdcare cattle team but also with a wider remit to offer advice and expertise across the board on ruminants (cattle, sheep and goats). Before starting her role at Biobest Rebecca was a Veterinary Investigation Officer at Penrith Veterinary Investigation Centre and prior to that worked in a similar role at SAC Edinburgh after having started out in general veterinary practice. She is also a member of the Sheep Veterinary Society Committee and the Goat Veterinary Society.

#### Kate Haig BVMS, MRCVS - Veterinary Adviser



Kate graduated from the University of Glasgow veterinary school in 1980. Her experience within the veterinary industry includes research, general practice and the State Veterinary Service. She has also worked as a freelance copy-editor and proofreader specialising in scientific, medical and veterinary textbooks. Kate joined Biobest in 2005 and provides veterinary support to Biobest customers, including current and prospective members of HiHealth Herdcare.

#### Sanne Dolieslager, DVM PhD MRCVS - ClinPath Adviser



Sanne joined Biobest Laboratories as a Veterinary Advisor in December 2014 and her main role is to work as part of the clinical pathology team. After graduating from Utrecht University, the Netherlands, in 2008 she continued her studies at the University of Glasgow and gained a PhD in veterinary microbiology and immunology. Prior to joining Biobest she worked in small animal veterinary practice and has taught undergraduates at the Royal (Dick) School of Veterinary Studies in Edinburgh.

### Michael Johnson BVMS, MRCVS - Veterinary Adviser



Michael graduate from University of Edinburgh Royal (Dick) Vet in 2008 and has worked in farm and mixed practices in England, Scotland and Wales. He has also spent time in outback Australia and the Canterbury plains of New Zealand. He joined Biobest at the end of 2019. His main interests lie in cattle and sheep medicine and he is still involved with his family farm.

### Scott Dawson BVSC, MRCVS (Poultry Health Services) - Poultry Veterinary Adviser

A former dairy farmer, Scott studied veterinary medicine at Massey University in his native New Zealand, graduating in 2013. Prior to joining Poultry Health Services, Scott worked for a dairy cattle practice before taking up a poultry veterinarian position in New Zealand and Australia. His current role involves providing clinical veterinary advice and services to poultry producers. This includes the monitoring and control of disease, carrying out investigations into flock performance issues and dealing with specific bird health concerns.





# research

Supplying specialist contract research, and laboratory support services in infectious diseases, clinical pathology and cell culture.

Working with the major pharmaceutical companies and contract research organisations to complete both regulatory and nonregulatory research studies.

Additional activities include disinfectant testing and virological reagent sales. We are compliant with Good Laboratory Practice as inspected by the UK Department of Health's GLP Monitoring Authority.

We hold a GMP Test Site (Biologicals) certificate from the MHRA. This means that we are authorised to perform biological QC testing in accordance with Article 111(1) of directive 2001/83/EC.



Providing testing services for a wide range of species including cattle, sheep, goats, dogs, cats, horses, pigs, birds, poultry and fish with a particular emphasis on virology, DNA testing and serology. As a specialist laboratory we have the skills to develop and use the best available assay technology.

Biobest gives you:

- The best available diagnostic test
- Expert interpretation on all test results
- Fast and efficient service
- The best prices

# flockcare

flexible membership plan helping you to get the most out of lab diagnostics for your flock and flocks under your care. Members receive expert advice and discounted testing in the following areas to improve flock health and productivity:

- Parasitology
- Clinical chemistry including trace elements
- Infectious disease testing

Testing can be used to monitor flock status and to investigate common problems such as barren ewes, thin ewes, ill thrift in lambs and worm and fluke control.

The team at Biobest work with farmers and their own vet to provide guidance and advice.



A leading CHeCS accredited cattle health scheme provider. HiHealth Herdcare is a partnership with you (the farmer), your practice vet and Biobest's veterinary and

scientific team. Together we can work within the guidelines of CHeCS to:

 Eliminate BVD, Johne's, IBR, Lepto and Neospora from your herd and obtain accredited disease free status Improve biosecurity on your farm and prevent reintroduction of the five diseases into your herd • Help you identify accredited disease-free sources of breeding cattle

## biobest clinpath

Providing a comprehensive service for all species covering haematology, biochemistry, histopathology, cytology, parasitology and bacteriology.

Biobest ClinPath is an independent, client orientated quality service providing:

- Analytical accuracy, speed and reliability
- Access to a clinical
- pathologist to discuss cases
- Result interpretation
- · Provision of information rich,
- jargon free reports
- Flexibility to suit individual practice needs
- Value for money



Royal Mail should accept all samples for routine diagnostic testing. Royal Mail do not accept Catagory A infectious material, but this should not affect routine veterinary samples. General dlin guidance from the HSE is that samples (blood, tissue, excreta, secreta etc.) from humans or animal are considered to be Category B infectious substances. These samples are then assigned to UN3373 and must be packaged according to IATA PI:650 for transport. There is an added complication that for Category B samples each individual package must hold a total of less than 50ml of liquid or 50g 6 of tissue.

lailing Samples which are taken for serology testing from a healthy animal are exempt from UN3373. Specimens for which there is minimal likelihood that pathogens are present are not subject to the regulations (meaning volumes over 50ml/50g can be sent) if the specimen is packed in a packaging which will prevent any leakage and which is marked with the words "Exempt human specimen" or "Exempt animal specimen" as appropriate.

### What to avoid when sending samples

- Using excessive sellotape on outer packaging
- Sending haemolysed blood

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- Using gloves or any other non-leak proof containers
- Writing multiple sample numbers on a single sample container
- Placing samples in non-sequential order in boxes containing multiple samples
- Using a container if sample content has seeped onto its exterior

Same to next day		
	49.00	PROF 006
Same to next day	42.00	PROF 035
Same to next day	32.50	PROF 027
Same to next day	25.50	PROF 026
Up to 2 days	18.00	BILE_ STIM
Up to 6 days	53.50	PROF 019
Up to 6 days	67.00	PROF 010
Up to 6 days	42.50	PROF 032
Same to next day	15.00	PROF 051
Up to 3 days	41.00	FIP_PACK
1 day for fluid, 3 days completed	50.00	PROF 043
1 day for fluid, 3 days completed	50.00	PROF 044
	Same to next day Same to next day Same to next day Same to next day Same to days Same to days Same to next day Same to next d	Same to next day32.50Same to next day25.50Up to 2 days18.00Up to 6 days53.50Up to 6 days67.00Up to 6 days15.00Same to next day15.00Same to next day41.00Up to 3 days41.001 day for fluid, 3 days completed50.00

Routine biochemistry	Turnaround	Price (£)

#### Serum sample required

Albumin, ALT, AP, AST, bilirubin, BHB, chloride, cholesterol, CK, creatinine, GGT, GLDH, globulin, glucose, magnesium, NEFA, phosphate, potassium, protein, sodium, total calcium, urea

1-4 tests	Same to next day	8.10 each
5-9 tests	Same to next day	5.00 each
10 or more tests (or in addition to any profile)	Same to next day	4.00 each

Haematology	Turnaround	Price (£)	Code
Routine haematology (EDTA and freshly made blood smears)	Same to next day	22.50	PROF 001
Routine haematology including smear exam by a pathologist (EDTA and freshly made blood smears)	Same to next day	37.50	PROF 002
Blood smear report (EDTA and freshly made blood smears)	Same to next day	17.00	SMEAR_RPT
Smear examination for haematological parasites (slide and EDTA)	Same to next day	17.00	SMEAR_ HAEM
Reticulocyte count (EDTA)	Same to next day	13.00	RETIC_CNT
Manual platelet count (EDTA)	Same to next day	16.00	PLATE_MAN
Coomb's test (EDTA)	Up to 2 days	31.00	COOMBS
Fibrinogen (citrate)	Up to 2 days	10.50	FIBRINOGEN
D-dimer (citrate)	Up to 2 days	24.50	D_DIMER
Basic coagulation profile (citrate) PT, APTT, fibrinogen	Up to 2 days	41.00	PROF 004
Full coagulation profile (citrate) PT, APTT, fibrinogen, d-dimer (canine and equine)	Up to 2 days	56.00	PROF 005
<b>Bone marrow panel</b> (bone marrow aspirate in EDTA, bone marrow smears, EDTA, freshly made blood smears) Cytology, routine haematology and smear report	Same to next day	75.00	PROF_48
Additional histopathology bone marrow core (fixed bone marrow core)	Up to 7 days	30.00	BONE_HISTO

Special biochemistry	Turnaround	Price (£)	Code
Ammonia*	Same to next day	15.00	AMMONIA
Calcium, ionized*	Same to next day	14.50	CALC_ION
Canine prostate specific arginine esterase (CPSE/BPH) (serum)	Up to 5 days	55.00	CPSE
C-Reactive protein (CRP) (serum)	Up to 2 days	16.00	CRP
Digoxin (serum, no gel tube)	Up to 3 days	30.50	DIGOXIN
Fructosamine (serum)	Up to 2 days	17.00	FRUCTOS
Phenobarbitone (serum, no gel tube)	Up to 2 days	21.00	PHENOBARB
PLI (canine and feline) (serum)	Up to 4 days	66.00	PLI
Amylase (serum)	Up to 2 days	8.00	AMYLASE
Bile acids (serum)	Up to 2 days	10.50	BILE_ACIDS
Lead (serum)	Up to 4 days	25.50	LEAD_SA
Lipase (serum)	Up to 2 days	8.00	LIPASE
Zinc (serum)	Up to 4 days	12.00	ZINC
Potassium bromide (serum, no gel tube)	Up to 2 days	33.00	POTAS_BROI
Serum protein electrophoresis (SPE) (serum)	Up to 4 days	28.00	ELECTRO
TLI (canine/feline) (serum)	Up to 6 days	43.50	TLI_CANINE/ TLI_FELINE
Symmeric Dimethylarginine (SDMA) (serum)	Up to 2 days	33.50	SDMA

\* Notify pathologist, special sample requirements: Heparin sample, chill on ice and analyse within 30 minutes of collection for ionized calcium and within 1-2 hours for ammonia

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Occult Blood (1g faeces) Giardia (1g faeces) Salmonella (1g faeces) Campylobacter (1g faeces) Worm egg count & coccidia (3g faeces) Faecal Bacterial culture & sensitivity (includes Salmonella, Campyl aerobic) (1g faeces) Small animal faecal analysis profile (3g faeces) Routine bacteriology, worm eggs, Coccidia, Giardia Urine Urinalysis (5ml urine) USG, dipstick and deposit exam Full urinalysis (5ml plain urine and 1ml boric acid) USG, dipstick, de and bacterial culture & sensitivity

Urine cytology (5ml urine)

Urine protein : creatinine ratio (1ml urine)

Urine cortisol : creatinine ratio (1ml urine)

Urine qualitative calculi analysis

animals Companion

	Turnaround	Price (£)	Code
	Up to 2 days	19.00	OCCULT
	Same to next day	20.00	GIARDIA
	Up to 5 days	20.00	SALMONELLA
	Up to 5 days	21.00	CAMPYL
	Same to next day	15.00	WEC_SA
ylobacter,	Up to 6 days	36.50	BACT_FAEC
	Up to 6 days	69.00	PROF 024

	Turnaround	Price (£)	Code
	Same to next day	17.50	PROF 020
deposit exam	Up to 6 days	45.00	PROF 055
	Same to next day	35.00	UR_CYT
	Same to next day	21.50	UR_PRO_CRT
	Same to next day	38.50	UR_COR _CRT
	Variable	35.00	CALCULI

Microbiology	Turnaround	Price (£)	Code
Routine bacterial culture & sensitivity (swab/tissue)	Up to 6 days	35.00	BACTERIAL
Bacterial culture, sensitivity + anaerobes (swab/tissue) (contact us to discuss sampling methods)	Up to 6 days	37.00	BACT_ANAER
Faecal bacterial culture & sensitivity (1g faeces) Includes aerobic plates, Salmonella and Campylobacter	Up to 6 days	36.50	BACT_FAEC
Fungal culture (swab)	7 days	30.00	FUNGAL
Dermatophyte culture (hair pluck)	14 days	25.00	DERMATO
Blood culture (contact us to discuss sampling methods)	Up to 5 days	33.00	BLOOD

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Histopathology & cytology	Turnaround	Price (£)	Code
Histopathology single site (tissues in formalin)	5 days	47.00	HE_STN
Histopathology additional site (tissues in formalin)	5 days	13.00	HE_STN _ADD
Digit/tail/tooth/ear canal histopathology (tissues in formalin)	14 days	68.00	
<b>Express histopathology</b> (report in 1-2 days from arrival – contact the lab before sending samples) (tissues in formalin)	Up to 2 days	123.00	
Large biopsy with margin check (>10cm) (tissues in formalin)	Up to 14 days	128.00	
Gram stain (air dried smears)	Same to next day	14.00	GRAM_STAIN
ZN stain (air dried smears)	Same to next day	16.00	ZN_STAIN
Bone Marrow Panel (bone marrow aspirate smears)	Same to next day	75.00	PROF_48
IHC for lymphoma (WHO staging)	7 days	100.00	IHC
IHC for mast cells tumours (Ki67)	7 days	100.00	KI67
<b>Cytology single site</b> (up to 4 smears from the same location)	Same to next day	35.00	CYT_SMEAR
Cytology additional site	Same to next day	20.00	CYT_ADD
Full fluid analysis: (fluid in EDTA & plain tubes, air dried smears) Cytology, total protein, total cell count	Same to next day	42.50	PROF 013

Endocrine	Turnaround	Price (£)	Code
Cortisol (serum)	Up to 2 days	21.50	CORT_PRE
ACTH stimulation test (serum x2) Cortisol: pre and 1 hour post ACTH	Up to 2 days	32.00	ACTH_STIM
Low Dose Dexamethason suppression test (serum x3) Cortisol: pre, 3 and 8 hr post dexamethason	Up to 2 days	42.00	LDDST
Total T4 (serum)	Up to 2 days	19.00	T4_TOTAL
Free T4 (serum)	Up to 6 days	37.00	FREE_T4
TSH (serum)	Up to 2 days	36.00	TSH
Total T4/TSH (serum)	Up to 2 days	48.50	T4_TSH
Anti-Mullerian Hormone (serum)	Up to 7 days	81.50	AMH_CN
Progesterone (canine urgent) (serum)	Same day	34.00	PROGESTER

### Skin

Skin scrape for ectoparasites (scrape and hair pluck)

Direct microscopy for bacteria and fungi (hair pluck, smear, skin sc

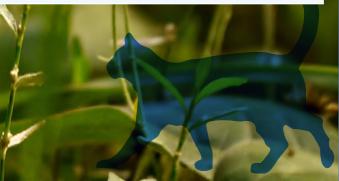
strip) Skin analysis panel (smear, hair pluck, swabs) Direct microscopy, bacteriology, dermatophyte culture

### Cats

**Rabies serology** Minimum 2mL blood, 1mL serum. Includes certificate and titre in II Computer rabies certificate (requested prior to testing) **Rabies certificate re-issue Rabies express** Antibody and related assays (serum or clotted blood unless stated Feline coronavirus IFA Short FIP profile: FCoV, AGP and albumin/globulin Full FIP profile (wet): FCoV serology, alacid glycoprotein, albumin, cytology Full FIP profile (dry): FCoV serology, alacid glycoprotein, albumin, haematology Feline immunodeficiency virus IFA Toxoplasma gondii IgG and IgM IFA Neospora IFA Panleukopaenia virus IIFT **Calicivirus VNT** Herpesvirus VNT Feline TB interferon gamma test (2ml Heparinised blood) Pathogen detection FeLV antigen (air-dried smear or EDTA blood) Respiratory virus isolation (FHV/Calicivirus or Pox from swab in transport medium) Triple respiratory profile - respiratory VI + FHV & Chlamydia PCR ( transport medium) Herpesvirus PCR (ocular or nasal swab) Chlamydia & herpesvirus PCR (ocular or nasal swab) Panleukopenia PCR (faeces or tissue)

	Turnaround	Price (£)	Code
	Same to next day	17.00	SKIN_SCRAP
scrape, tape	Same to next day	17.00	MICRO_ EXAM
	14 days	50.00	PROF_045

	Turnaround	Price (£)	Code
IU/ml	Up to 7 days	60.00	RABIES
	Same to next day	5.00	
	Same or next day	22.50	RAB_CERT
d otherwise)	Up to 3 days	500.00	RABEX
	Same or next day	22.50	FCOS
	Up to 3 days	41.00	FIP_PACK
n/globulin and	1 day for fluid, 3 days completed	50.00	PROF 043
n/globulin and	1 day for blood, 3 days completed	50.00	PROF 044
	Same or next day	33.50	FIVS
	Up to 2 days	35.00	F_TOXO_GM
	Up to 4 days	31.00	F_NEOS
	Up to 7 days	34.00	FPS
	Up to 7 days	48.00	FCAV
	Up to 7 days	48.00	FHVS
	Call for advice	220.00	FTBIG
	Up to 7 days	31.00	FELV
	Up to 7 days	23.00	F_VIRUS_IS
(2 swabs in	Up to 7 days	56.00	F_RESP
	Up to 7 days	30.00	PCRFH
	Up to 7 days	46.00	PCR_FH_FC
	Up to 7 days	44.00	FPV_PCR



Dogs	Turnaround	<b>D</b> • ( <b>D</b> )	
	rannaroana	Price (£)	Code
Rabies serology Min. 2mL blood, 1mL serum. Incl certificate & titre in IU/ml	Up to 7 days	60.00	RABIES
Computer rabies certificate (requested prior to testing)	Same to next day	5.00	
Rabies certificate re-issue	Same or next day	22.50	RAB_CERT
Rabies express	Up to 3 days	500.00	RABEX
<b>Pre-booster immunity check</b> (serum or clotted blood) Titres to Distemper Virus, Adenovirus and Parvovirus	Up to 7 days	52.50	C_PRE_VACC
Canine TB interferon gamma test (2ml heparinised blood)	Call for advice	220.00	FTBIG
Antibody assays (serum or clotted blood) Distemper virus VNT	Up to 7 days	22.00	CDS
Adenovirus VNT	Up to 7 days	22.00	CAS
Parvovirus HAI	Up to 7 days	22.00	CPS
Toxoplasma gondii IgG & IgM IFA	Up to 2 days	35.00	CTOXG
Neospora caninum IFA	Up to 4 days	31.00	CNEOS
Parainfluenza VNT	Up to 10 days	62.50	CPIF
Herpesvirus VNT	Up to 7 days	62.50	CHVS
Leptospirosis IFA (detects antibodies to all pathogenic serovars but not vaccination)	Up to 7 days	65.00	CLEPTO
CPSE - prostate hyperplasia (detects canine prostate specific arginine esterase)	Up to 7 days	55.00	CPSE
Virus Isolation (adenovirus/ herpesvirus/ parainfluenza)	Up to 14 days	23.00	C_VIRUS_IS
Parvovirus (faeces or tissue)	Up to 7 days	44.00	CPIF_PCR
Distemper (CSF or swab)	Up to 7 days	52.00	CDPCR

	Stem cell	Price (£)	Code
5	Equine bone marrow aspiration kit (including transport box)	110.00	
5	Canine adipose tissue kit (including transport box)	40.00	
	Transport box only	22.00	
	Equine stem cell culture (up to 40 million cells from bone marrow aspirate)	1045.00	STEM_CELLS
	Canine stem cell culture (20 million cells from adipose tissue, includes cryopreservation of cells)	550.00	STEM_CN
	Canine stromal vascular fraction (SVF) 48 hour service (includes cryopreservation of cells)	375.00	
	Cryopreservation of equine stem cells (up to 5 yrs)	200.00	
	Resuscitation of cryopreserved cells (10 million)	200.00	
	Turnaround times will vary based on your requirements, please call to discuss		

# Horses

Equine viral arteritis serology (VNT or ELISA)
Equine infectious anaemia serology (Coggins test)
Combined viral arteritis & infectious anaemia serology test
Rotavirus diagnostics (please phone for advice)



Bacteriology & Mycology
Salmonella Culture
Aspergillus Culture
PCR

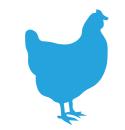
Horses	Turnaround	Price (£	) Code
Equine viral arteritis serology (VNT or ELISA)	Up to 5 days	20.00	EVAS or EVA_ ELISA
Equine infectious anaemia serology (Coggins test)	Up to 2 days	17.50	EIA
Combined viral arteritis & infectious anaemia serology test	Up to 5 days	35.00	EQU_2TEST
Rotavirus diagnostics (please phone for advice)	On demand		
Parasitology and Microscopy	Turnaround	Price (£)	Code
Worm Egg/ Coccidian Oocyst Count	Same to next day	19.20	PWECCOCCI
Trichomonas (Canker)	Same or next day	17.60	PTRICHOMONAS
Bacteriology	Up to 5 days	28.80	PASPERGILLUS
Bacteriology & Mycology	Turnaround	Price (£)	Code
Salmonella Culture	Up to 5 days	25.60	PSALMONELLA
Aspergillus Culture	2 days	17.60	PASPERGILLUS
PCR	Turnaround	Price (£)	Code
Herpes Virus	Up to 7 days	34.40	PHERPES
Circovirus	Up to 7 days	34.40	PCRCIRCO
Adenovirus	Up to 7 days	44.00	PADENOVIRUS
Rotavirus	Up to 7 days	44.00	PROTA
Chlamydia	Up to 7 days	34.40	PCHLAMPCR
Mycoplasma	Up to 7 days	34.40	PMYCOPCR
Autopsy	Turnaround	Price (£)	Code
Autopsy	Call for advice	52.00	
Special Offers	Turnaround	Price (£)	Code
Basic - Worm Egg/Coccidian Count & Trichomonas	Same or next day	28.80	PBASIC
Young bird - Worm Egg/Coccidian Count, Trichomonas & Circovirus	Up to 7 days	48.00	PYOUNGBIRD
Racing and Respiratory - Worm Egg/Coccidian Count, Trichomonas, Mycoplasma & Chalmydia	Up to 7 days	76.00	PRACING & RESPIRATORY
Birds	Turnaround	Price (£)	Code
Avian chlamydia PCR (faeces, cloacal swab or tissue)	Up to 4 days	32.50	PCRAC
Psittacine beak and feather disease PCR (feather, heparinised blood, tissue)	Up to 4 days	32.50	PCRPBFD
Polyomavirus PCR (feather, heparinised blood, faeces, cloacal swab or tissue)	Up to 4 days	32.50	PCRAP
Avian sexing PCR (egg membranes, mouth swabs, feather, heparinised blood, tissue)	Up to 6 days	32.50	PCRAS

# Birds

	Serology	Turnaround	Price (£)	Code
	Infectious Bronchitis Variant M41 HI	Up to 2 days	5.40	PHS030
n o	Infectious Bronchitis Variant 793b HI	Up to 2 days	5.40	PHS031
	Infectious Bronchitis Variant D274 HI	Up to 2 days	5.20	PHS052
	Infectious Bronchitis Variant 755 HI	Up to 2 days	5.20	PHS073
	Infectious Bronchitis Variant D1466 HI	Up to 2 days	5.40	PHS072
	Infectious Bronchitis Variant QX388 HI	Up to 2 days	5.40	PHS065
	Egg Drop Syndrome (EDS-76)	Up to 2 days	5.90	PHS038
	Newcastle Disease	Up to 2 days	5.90	PHS037
	Mycoplasma gallisepticum Rapid Serum Agglutination	Same or next day	1.60	PHS003
	Mycoplasma synoviae Rapid Serum Agglutination	Same or next day	3.50	PHS004
	Mycoplasma meleagridis Rapid Serum Agglutination	Same or next day	2.30	PHS005
	Astrovirus	Up to 7 days	3.50	PHS070
	Ornithobacter rhinotracheale ELISA	Up to 7 days	5.40	PHS076
	Avian Rhinotracheitis ELISA	Up to 7 days	6.10	PHS077
	Infectious Bronchitis ELISA	Up to 7 days	3.20	PHS054
	Gumboro Disease ELISA (including vaccination prediction)	Up to 7 days	3.20	PHS050
	Avian Reovirus ELISA	Up to 7 days	7.30	PHS066
	Avian Influenza ELISA	Up to 4 days	4.80	PHS001
	Fowl Adenovirus Group 1 ELISA	Up to 7 days	3.40	PHS061

Parasitology	Turnaround	Price (£)	Code
Worm Egg/Coccidian Oocyst Count	Same or next day	14.70	PHS018

Hygiene	Turnaround	Price (£)	Code
Water - Total Viable Count (TVC)	Up to 4 days	14.30	
Swab (TVC)	Up to 2 days	14.40	
Water/Swab - TVC/Pseudomonas/Staphylococcus aureus/Coliforms/E.coli	Up to 2 days	35.00	
Water - pH	Same or next day	14.60	
Water - Oxidation Reduction Potential	Same or next day	5.30	
Water - Total Residual Chlorine	Same or next day	20.80	
Water/Swab - Enterococcus	Up to 3 days	15.10	
Dipslide - TVC	2 days	12.00	
Bedding - Pseudomonas/E.coli/Coliforms/TVC/Yeast/Mould/ Aspergillusfumigatus/Salmonella/ Campylobacter	Up to 5 days	16.00 - 68.00	



BacteriologyPost Mortem Bacteriology + Sensitivity (Aerobic)Post Mortem Bacteriology + Sensitivity (Anaerobic)Aspergillus FumigatusBacteria IdentificationCampylobacter (presence/absence)E.coli serotyping (O1, O2 and O78)

#### Other

Interpretation & Reporting of External Samples Drinker Line swabbing kit (4 samples)



Turnaround	Price (£)	Code
Next day	19.70	
Next day	19.70	
2 days	23.40	
Up to 4 days	44.40	
Up to 5 days	16.10	
Same or next day	43.10	

Turnaround	Price (£)	Code
n/a	24.30	
n/a	13.20	

Biochemistry profiles & haematology	Turnaround	Price (£)	Code
Large animal full profile (serum, fluoride, EDTA and freshly made blood smears) Routine haematology, albumin, AST, bilirubin, calcium, CK, creatinine, GGT, GLDH, globulin, glucose, magnesium, phosphate, total protein, urea	Same to next day	44.00	PROF 012
Large animal full profile, biochemistry only	Same to next day	36.00	PROF 036
Large animal liver profile (serum) Albumin, AST, bilirubin, GGT, GLDH, globulin, total protein	Same to next day	27.00	PROF 025
Ruminant metabolic profile (serum and fluoride) Albumin, BHB, calcium, globulin, glucose, magnesium, NEFA, phosphate, total protein, urea	Same to next day	28.00 24.00 (5+)	PROF 009 PROF 037
Downer cow profile (serum) AST, calcium, CK, magnesium, phosphate, urea	Same to next day	24.00	PROF 054
Bovine trace element profile (serum and heparin) Copper, selenium (GSH-Px)	Up to 5 days	16.00 11.50 (5+)	PROF 008 PROF 039
Ovine trace element profile (serum and heparin) Copper, selenium (GSH-Px), Vitamin B12	Up to 5 days	22.00 19.00 (5+)	PROF 049 PROF 050
Periparturient recumbent ewe profile (serum) BHB, calcium, magnesium	Same to next day	13.00	PROF 047
Pre lambing profile (serum) Albumin, BHB, urea	Same to next day	13.00 6.50 (5+)	PROF 046 PROF 052
<b>Camelid profile</b> (serum, fluoride, EDTA and freshly made blood smears) Large animal full profile plus smear exam for parasites	Same to next day	52.00	PROF 057
Routine haematology (EDTA and freshly made blood smears)	Same to next day	22.50	PROF 001
Haemoglobin or PCV (EDTA)	Same to next day	13.50	HB/HCT
and the second		1	1
Poutino biochomictru	Tue	noround	Drice(f)

Routine biochemistry	Turnaround	Price (£)

#### Serum sample required

Albumin, ALT, AP, AST, BHB, bilirubin, chloride, cholesterol, CK, creatinine, GGT, GLDH, globulin, glucose, magnesium, NEFA, phosphate, potassium, protein, sodium, total calcium, urea

1-4 tests	Same to next day	8.10 each
5-9 tests	Same to next day	5.00 each
10 or more tests (or in addition to any profile)	Same to next day	4.00 each

1 martine - 1
Code
HE_LA
HE_LA_ADD
CYT_SMEAR
CYT_ADD
VASECTOMY

### Special biochemistry Copper (serum only) **Copper - liver** (5g fresh tissue) Fibrinogen (citrate blood) Haptoglobin (serum) Iodine - pooled up to 6 samples (serum, heparin) Lead (heparin) Bovine & Ovine only Lead - liver (5g fresh tissue) Manganese (heparin) Pepsinogen (serum) Selenium (GSH-Px) (heparin) Selenium - liver (5g fresh tissue) Selenium (serum) Serum iron (total iron binding capacity, % saturation) (serum) Thyroxin (T4) (serum) Vitamin A (serum) Vitamin B12 (serum) Vitamin B12 (5g fresh tissue) Vitamin E (serum) Vitamin A & E combined - liver

Zinc (sodium heparin or serum)

Zinc sulphate turbidity test (serum)

Turnaround         Price (£)         Code           Same to next day         8.10 6.00 5+         COPPER_4           Up to 7 days         40.00         COPPER_LVR           Up to 7 days         10.00         FIBRINOGEN           Up to 7 days         15.00         HAPTO GLOBIN           Up to 7 days         15.00         HAPTO GLOBIN           Up to 1 month         26.00         PII           Up to 7 days         40.00         LEAD           Up to 7 days         40.00         LEAD_LVR           Up to 7 days         40.00         BENNOGEN           Up to 7 days         40.00         SELEN_LVR           Up to 7 days         13.00         PEPSINOGEN           Up to 7 days         10.00         SELEN_LVR           Up to 7 days         10.50         SELEN_SER           Up to 7 days         10.50         YIT_A           Up to 7 days         10.50         VIT_A           Up to 7 days         10.00         VIT_A           Up to 7 days         10.00         VIT_B12           Up to 7 days         10.50         VIT_B12           Up to 7 days         10.50         VIT_B12           Up to 7 days         10.50         VIT_			
6.00 5+       COPPER_4         Up to 7 days       40.00       COPPER_LVR         Up to 2 days       10.00       FIBRINOGEN         Up to 7 days       15.00       HAPTO GLOBIN         Up to 1 month       26.00       PII         Up to 5 days       12.00       LEAD_LVR         Up to 7 days       40.00       LEAD_LVR         Up to 7 days       40.00       LEAD_LVR         Up to 7 days       13.00       PEPSINOGEN         Up to 7 days       13.00       PEPSINOGEN         Up to 7 days       40.00       SELEN_LVR         Up to 7 days       10.50       SELEN_SER         Up to 7 days       10.50       SELEN_SER         Up to 7 days       11.50       IRON_BIND         Up to 7 days       10.50 s+       VIT_A         Up to 7 days       10.50 s+       VIT_A         Up to 7 days       10.00       VIT_A         Up to 7 days       40.00       COBALT_LVR         Up to 7 days       40.00       COBALT_LVR         Up to 7 days       10.50 s+       VIT_B12_4         Up to 7 days       10.50 s+       VIT_E_4         Up to 7 days       10.50 s+       VIT_E_4	Turnaround	Price (£)	Code
Up to 2 days         10.00         FIBRINOGEN           Up to 7 days         15.00         HAPTO GLOBIN           Up to 1 month         26.00         PII           Up to 5 days         12.00         LEAD           Up to 7 days         40.00         LEAD_LVR           Up to 7 days         24.00         MN           Up to 7 days         13.00         PEPSINOGEN           Up to 7 days         8.10         GSH_PX           Up to 7 days         40.00         SELEN_LVR           Up to 7 days         40.00         SELEN_LVR           Up to 7 days         10.50         SELEN_SER           Up to 7 days         10.50         SELEN_SER           Up to 7 days         10.50 s+         VIT_A           Up to 7 days         10.50 s+         VIT_A           Up to 7 days         10.00         VIT_A           Up to 7 days         40.00         COBALT_LVR           Up to 7 days         10.50 s+         VIT_B12           Up to 7 days         10.50 s+         VIT_E	Same to next day		
Up to 7 days         15.00         HAPTO GLOBIN           Up to 1 month         26.00         PII           Up to 5 days         12.00         LEAD           Up to 7 days         40.00         LEAD_LVR           Up to 7 days         24.00         MN           Up to 7 days         13.00         PEPSINOGEN           Up to 7 days         13.00         SELEN_LVR           Up to 7 days         40.00         SELEN_LVR           Up to 7 days         10.50         SELEN_LVR           Up to 7 days         10.50         SELEN_SER           Up to 7 days         11.50 10.50 5+         IRON_BIND           Up to 7 days         10.50 8.50 5+         VIT_A VIT_A_4           Up to 7 days         10.00 8.50 5+         VIT_AL           Up to 7 days         40.00         COBALT_LVR           Up to 7 days         10.50 8.50 5+         VIT_AL           Up to 7 days         10.50 8.50 5+         VIT_AL           Up to 7 days         40.00         COBALT_LVR	Up to 7 days	40.00	COPPER_LVR
Up to 1 month       26.00       PII         Up to 5 days       12.00       LEAD         Up to 7 days       40.00       LEAD_LVR         Up to 7 days       24.00       MN         Up to 7 days       13.00       PEPSINOGEN         Up to 7 days       13.00       SELEN_LVR         Up to 7 days       40.00       SELEN_LVR         Up to 7 days       40.00       SELEN_LVR         Up to 7 days       10.50       SELEN_SER         Up to 7 days       10.50       SELEN_SER         Up to 7 days       11.50       IRON_BIND         Up to 7 days       10.50 s+       VIT_A         Up to 7 days       10.50 s+       VIT_A_4         Up to 7 days       10.00       VIT_A_4         Up to 7 days       40.00       COBALT_LVR         Up to 7 days       10.50 s+       VIT_B12         Up to 7 days       10.50 s+       VIT_A         Up to 7 days       40.00       COBALT_LVR         Up to 7 days       10.50 s+       VIT_E         Up to 7 days       10.50 s+       VIT_E         Up to 7 days       40.00       COBALT_LVR         Up to 7 days       10.50 s+       VIT_E <td>Up to 2 days</td> <td>10.00</td> <td>FIBRINOGEN</td>	Up to 2 days	10.00	FIBRINOGEN
Up to 5 days         12.00         LEAD           Up to 7 days         40.00         LEAD_LVR           Up to 7 days         24.00         MN           Up to 7 days         13.00         PEPSINOGEN           Up to 7 days         8.10         GSH_PX GSH_PX_4           Up to 7 days         40.00         SELEN_LVR           Up to 7 days         10.50         SELEN_SER           Up to 7 days         10.50         SELEN_SER           Up to 7 days         11.50 10.50 5+         T4_BOVINE           Up to 7 days         10.50 8.50 5+         VIT_A VIT_A4           Up to 7 days         10.00 8.50 5+         VIT_B12 VIT_B12_4           Up to 7 days         40.00         COBALT_LVR           Up to 7 days         10.50 8.50 5+         VIT_E VIT_B12_4           Up to 7 days         10.50 8.50 5+         VIT_E           Up to 7 days         65.00         VIT_ELVR	Up to 7 days	15.00	HAPTO GLOBIN
Up to 7 days         40.00         LEAD_LVR           Up to 7 days         24.00         MN           Up to 7 days         13.00         PEPSINOGEN           Up to 7 days         13.00         PEPSINOGEN           Up to 5 days         8.10         GSH_PX_GSH_PX_4           Up to 7 days         40.00         SELEN_LVR           Up to 7 days         40.00         SELEN_LVR           Up to 7 days         10.50         SELEN_SER           Up to 7 days         11.50         IRON_BIND           Up to 7 days         10.50         VIT_A           Up to 7 days         10.50         VIT_A           Up to 7 days         10.50         VIT_A           Up to 7 days         10.00         VIT_A           Up to 7 days         40.00         COBALT_LVR           Up to 7 days         10.50         VIT_B12           Up to 7 days         10.00         VIT_B12_4           Up to 7 days         10.50         VIT_E           Up to 7 days         10.50         VIT_E <td>Up to 1 month</td> <td>26.00</td> <td>PII</td>	Up to 1 month	26.00	PII
Up to 4 days       24.00       MN         Up to 7 days       13.00       PEPSINOGEN         Up to 5 days       8.10       GSH_PX         Up to 7 days       40.00       SELEN_LVR         Up to 7 days       10.50       SELEN_SER         Up to 7 days       11.50       IRON_BIND         Up to 7 days       10.50 St       VIT_A         Up to 7 days       10.50 St       VIT_A         Up to 7 days       10.50 St       VIT_A         Up to 7 days       10.00       VIT_AL         Up to 7 days       40.00       COBALT_LVR         Up to 7 days       10.50 St       VIT_ELVR         Up to 7 days       10.00       VIT_ELVR         Up to 7 days       40.00       COBALT_LVR         Up to 7 days       10.50 St       VIT_ELVR	Up to 5 days	12.00	LEAD
Up to 7 days       13.00       PEPSINOGEN         Up to 5 days       8.10       GSH_PX         CUp to 7 days       40.00       SELEN_LVR         Up to 21 days       10.50       SELEN_SER         Up to 7 days       25.50       IRON_BIND         Up to 7 days       11.50       T4_BOVINE         Up to 7 days       10.50 \$       VIT_A         Up to 7 days       10.50 \$       VIT_AQUINE         Up to 7 days       10.50 \$       VIT_AQUINE         Up to 7 days       10.00       VIT_AQUINE         Up to 7 days       40.00       COBALT_LVR         Up to 7 days       10.50 \$       VIT_E         Up to 7 days       40.00       CUBALT_LVR         Up to 7 days       10.50 \$       VIT_ELVR	Up to 7 days	40.00	LEAD_LVR
Up to 5 days       8.10       GSH_PX         Up to 7 days       40.00       SELEN_LVR         Up to 21 days       10.50       SELEN_SER         Up to 7 days       25.50       IRON_BIND         Up to 7 days       11.50       T4_BOVINE         Up to 7 days       10.50 S+       VIT_A         Up to 7 days       10.50 S+       VIT_AQ         Up to 7 days       10.50 S+       VIT_AQ         Up to 7 days       10.00       VIT_B12         Up to 7 days       40.00       COBALT_LVR         Up to 7 days       10.50 S+       VIT_E         Up to 7 days       40.00       CUBALT_LVR         Up to 7 days       65.00       VIT_E_LVR	Up to 4 days	24.00	MN
6.00 5+       GSH_PX_4         Up to 7 days       40.00       SELEN_LVR         Up to 21 days       10.50       SELEN_SER         Up to 7 days       25.50       IRON_BIND         Up to 7 days       11.50 10.50 5+       T4_BOVINE         Up to 7 days       10.50 8.50 5+       VIT_A VIT_A_4         Up to 7 days       10.00 8.00 5+       VIT_B12 VIT_B12_4         Up to 7 days       40.00       COBALT_LVR         Up to 7 days       10.50 8.50 5+       VIT_E VIT_E_4         Up to 7 days       65.00       VIT_E_LVR	Up to 7 days	13.00	PEPSINOGEN
Up to 21 days         10.50         SELEN_SER           Up to 7 days         25.50         IRON_BIND           Up to 4 days         11.50 10.50 5+         T4_BOVINE           Up to 7 days         10.50 8.50 5+         VIT_A           Up to 4 days         10.00 8.50 5+         VIT_A_4           Up to 7 days         40.00         COBALT_LVR           Up to 21 days         10.50 8.50 5+         VIT_E VIT_E_4           Up to 7 days         65.00         VIT_E_LVR	Up to 5 days		_
Up to 7 days       25.50       IRON_BIND         Up to 4 days       11.50       T4_BOVINE         10.50 5+       10.50 5+       VIT_A         Up to 7 days       10.50       VIT_A         Up to 4 days       10.00       VIT_B12         Up to 7 days       40.00       COBALT_LVR         Up to 21 days       10.50       VIT_E         Up to 7 days       65.00       VIT_LELVR	Up to 7 days	40.00	SELEN_LVR
Up to 4 days         11.50 10.50 5+         T4_BOVINE           Up to 7 days         10.50 8.50 5+         VIT_A VIT_A_4           Up to 4 days         10.00 8.00 5+         VIT_B12 VIT_B12_4           Up to 7 days         40.00         COBALT_LVR           Up to 21 days         10.50 8.50 5+         VIT_E VIT_E_4           Up to 7 days         65.00         VIT_E_LVR	Up to 21 days	10.50	SELEN_SER
10.50 5+         10.50 5+         Up to 7 days         10.50 5+         Up to 4 days         10.00         VIT_A_4         Up to 4 days         10.00         VIT_B12         VUp to 7 days         40.00         COBALT_LVR         Up to 21 days         10.50         VIT_E_4         Up to 7 days         65.00         VIT_E_LVR	Up to 7 days	25.50	IRON_BIND
8.50 5+     VIT_A_4       Up to 4 days     10.00 8.00 5+     VIT_B12 VIT_B12_4       Up to 7 days     40.00     COBALT_LVR       Up to 21 days     10.50 8.50 5+     VIT_E VIT_E_4       Up to 7 days     65.00     VIT_E_LVR	Up to 4 days		T4_BOVINE
8.00 5+         VIT_B12_4           Up to 7 days         40.00         COBALT_LVR           Up to 21 days         10.50         VIT_E           0 p to 7 days         65.00         VIT_E_LVR	Up to 7 days		-
Up to 21 days         10.50         VIT_E           8.50 5+         VIT_E_4           Up to 7 days         65.00         VIT_E_LVR	Up to 4 days		-
8.50 5+         VIT_E_4           Up to 7 days         65.00         VIT_E_LVR	Up to 7 days	40.00	COBALT_LVR
	Up to 21 days		-
	Up to 7 days	65.00	VIT_E_LVR
Up to 4 days 12.00 ZINC 6.00 5+	Up to 4 days	11.00	ZINC
Up to 6 days 10.00 ZST 5.00 5+ ZST_4	Up to 6 days	20.00	

#### Faecal Tests Turnaround Price (£) Code Worm egg count & Coccidia (3g faeces) Same to next day 15.00 WORM EGG 12.00 WORM\_4PLUS Fluke egg count (5g faeces) FLUKE\_EGG Same to next day 18.00 Worm Coccidia (3g faeces) Same to next day 11.00 WORM\_COCCI Worm egg count, no Coccidia (3g faeces) Same to next day 11.00 WORM\_ONLY Pooling charge for up to 10 samples n/a 15.00 CHRG\_WORM Worm egg count & Coccidia (add on to young ruminant profile) Same to next day 11.00 WORM\_ADD Coccidial identification - ovine (3g faeces) 44.50 COCCI\_SPEC Up to 7 days Haemonchus stain (3g faeces) Up to 7 days 44.00 HCHUS\_DIFF LUNG\_LARV Lungworm larvae (5g faeces) Up to 3 days 19.50 Faecal Giardia (immunological) (1g faeces) Same to next day 20.00 GIARDIA Cryptosporidium (1g faeces) Same to next day 22.00 CRYPTO Salmonella (1g faeces) Up to 5 days 21.00 SALMONELLA Rotavirus PAGE (1g faeces) Up to 6 days 25.00 **Coronavirus** (1g faeces) Up to 6 days 20.00 B\_CVV Rotavirus ELISA (1g faeces) Up to 7 days 20.00 RVV Neonatal cattle enteritis profile (<5 days) 5g faeces for bacteriology (including Up to 7 days 46.50 **PROF 030** Salmonella), Rotavirus, Coronavirus and Cryptosporidium, K99 Young cattle enteritis profile (6-21 days) 5g faeces for Salmonella, Rotavirus, Up to 7 days 43.50 **PROF 029** Coronavirus and Cryptosporidium Growing cattle enteritis profile (>22 days) 5g faeces for Salmonella, worm egg **PROF 053** Up to 7 days 29.50 and Coccidia count Adult ruminant scour (15g faeces) Johne's PCR, Fluke Coproantigen and Up to 7 days 52.00 **PROF 056** Salmonella

Microbiology	Turnaround	Price (£)	Code
Routine bacterial culture & sensitivity (swab, tissue, milk)	Up to 6 days	35.00	BACTERIAL
Milk bacteriology culture & sensitivity (milk 5+)	Up to 7 days	24.00	BACT_CULT
Milk bacterial culture only	Up to 7 days	17.00 11.50 (5+)	BACT_MILK
Bacterial culture and sensitivity (including Salmonella)	Up to 6 days	36.50	BACT_FAEC
E. coli K99 (1g faeces)	Up to 5 days	23.50	К99
Yersinia culture (1g faeces)	7 days (Up to 28 days for negative)	38.00	YERSINIA
Clostridial toxins (5 ml small intestinal contents in sterile universal)	Up to 8 days	39.50	CLOSTRID

Endocrine	Turnaround	Price (£)	Code
T4 Bovine (serum)	Up to 4 days	11.50	T4_BOVINE
		10.50 (5+)	
Progesterone (serum)	Same day	31.00	PROGESTER

## Pigs

Water - Total Viable Count (TVC)
Water - Total Viable Count (TVC) & Coliforms (100ml)
Swab (TVC)
Water/Swab - TVC/Pseudomonas/Staphylococcus aureus/Coli
Water - pH
Water - Oxidation Reduction Potential
Water/Swab - Enterococcus
Dipslide - TVC

Serology	Turnaround	Price (£)	Code
Mycoplasma hyopneumoniae ELISA	Up to 7 days	10.00	м нүо
PRRS ELISA (serum)	Up to 7 days	10.00	PRRS
Swine influenza ELISA	On demand	10.00	SWINE_FLU
PRRS PCR (individual/pooled)	Up to 7 days	36.00	PRRSV_PCR
Philos Pen (Intelvieua) poolea	op to 7 days	30.00	FRIGV_FCR
Parasitology	Turnaround	Price (£)	Code
Worm Egg/Coccidian Oocyst Count	Same to next day	15.30	
Worm Egg/Coccidian Oocyst Count (additional)	Same to next day	9.90	
Hygiene	Turnaround	Price (£)	Code
Water - Total Viable Count (TVC)	2 days	12.30	
Water - Total Viable Count (TVC) & Coliforms (100ml)	2 days	15.90	
Swab (TVC)	2 days	14.40	
Water/Swab - TVC/Pseudomonas/Staphylococcus aureus/Coliforms/E.coli	2 days	35.10	
Water - pH	Same or next day	14.60	
Water - Oxidation Reduction Potential	Same or next day	5.30	
Water/Swab - Enterococcus	Next day	15.10	
Dipslide - TVC	2 days	12.00	
Bacteriology	Turnaround	Price (£)	Code
Bacteria Identification	Up to 4 days	44.40	
E. coli serotyping	Same or next day	21.40	
Aerobic Culture and Sensitivity	2 days	24.30	
Aerobic Culture and Sensitivity (additional)	2 days	12.40	
Anaerobic Culture and Sensitivity	2 days	25.20	
Anaerobic Culture and Sensitivity (additional)	2 days	13.30	
Haemophilus parasuis/Actinobacillus pleuropneumoniae	2 days	25.20	
Haemophilus parasuis/Actinobacillus pleuropneumoniae (additional)	2 days	13.00	
Semen - Count	Up to 3 days	26.00	
	Up to 3 days	30.80	
Semen - Morphology			
Semen - Morphology Semen - Motility	Up to 3 days	10.20	

### Other

Rotavirus

Turnaround	Price (£)	Code
Up to 7 days	25.00	



Sheep

Sheep	Turnaround	Price (£)	Code
MV/CAE	Up to 7 days	9.00	MV_CAE
CLA ELISA	Up to 15 days	9.10	CLA
EAE ELISA	Up to 10 days	10.00	EAE
Toxo ELISA	Up to 7 days	10.00	OV_TOXO
Johne's disease ELISA	Up to 3 days	5.20	JOHNES
Sheep Scab ELISA	Up to 7 days	9.50 (Ind.) 8.50 (2-11) 6.00 (12+)	SCAB_OVINE SCAB_OV_11 SCAB_OV_12
Liver fluke antibody	Up to 7 days	8.00	B_FLUKE
Border disease ELISA	Up to 7 days	9.50 8.50 (10+)	BDV
Antigen Detection Fluke coproantigen ELISA Pool of up to 10 samples	Up to 7 days	18.50 (Ind.) 42.50 (Pool)	F_COPRO_OV F_COPRO_PL
Border disease PCR Pool of up to 10 samples	Up to 10 days	20.00 (Ind.) 35.00 (Pool)	BDV_PCR BDV_POOL
Johne's PCR Pool of up to 5 samples	Up to 7 days	33.00 (Ind.) 40.00 (Pool)	JOHNES_PCR JOH_PCR_PF
ORF exam	Up to 15 days	29.50	ORF_PCR



Border disease virus PCR

Walderster

	Turnaround	Price (£)	Code
	n/a	30.00 100.00	
	Same to next day	13.00 6.50	PROF 046 PROF 052
	Same to next day	13.00	PROF 047
elenium)	Up to 5 days	99.00	
	Up to 7 days	140.00	
	Up to 7 days	155.00	
elenium	Up to 5 day	123.00	
x 2)	Up to 15 days	215.00	
	Up to 15 days	65.00	
	Up to 7 days	8.00 6.00 (50+)	MV_CAE
	Up to 15 days	8.10 6.50 (50+)	CLA
	Up to 10 days	9.50	EAE
	Up to 7 days	9.50	OV_TOXO
	Up to 3 days	4.20	JOHNES
	Up to 7 days	30.00 (Ind.) 37.50 (Pool)	JOHNES_PCR JOH_PCR_PF
	Same to next day	15.00 (Ind.) 30.00 (Pool)	
	Up to 7 days	9.50 (Ind.) 8.50 (2-11) 6.00 (12+)	SCAB_OVINE SCAB_OV_11 SCAB_OV_12
	Up to 7 days	18.50	F_COPRO_OV
	Same to next day	12.00 (Ind.) 25.00 (Pool)	
	Up to 7 days	9.00 8.00 (10+)	BDV
	Up to 10 days	18.00 (Ind.) 33.00 (Pool)	BDV_PCR BDV_POOL



Cattle	Turnaround	Price (£)	Code
Antibody assays (Most tests can be done on serum, milk or bulk milk. Please call for details)			
BVD ELISA	Up to 3 days	4.00	BVDS
Johne's ELISA	Up to 3 days	5.20 4.50 (50+)	JOHNES JOHNES_50
Leptospira hardjo ELISA	Up to 4 days	5.80	LEPTOS
IBR ELISA	Up to 3 days	5.60	IBRS
IBR gE marker ELISA (serum)	Up to 7 days	8.20	IBR_GE_MA
IBR gE marker ELISA (bulk milk)	Up to 7 days	16.00	IBR_GE_MA
Neospora caninum ELISA (<40/40+ samples)	Up to 7 days	8.00 6.60 (40+)	NEO_ELISA NEO_40
Fasciola hepatica (Liver Fluke) ELISA	Up to 7 days	8.00	B_FLUKE
Salmonella ELISA	Up to 15 days	12.50	SALM_ELISA
RSV ELISA	Up to 7 days	6.75	RSVS
PI3 ELISA	Up to 7 days	6.75	PI3S
Mycoplasma bovis ELISA	Up to 7 days	8.00	M-BOVIS
Total IgG	Up to 7 days	32.00	TOTAL_IGG
Rotavirus serology (colostrum or milk only)	Up to 7 days	80.00	RVS
Coronavirus serology (colostrum or milk only)	Up to 7 days	80.00	B_CSV
Rotavirus/coronavirus combined	Up to 7 days	120.00	RVS_CSV
Ostertagia ostertagi ELISA (recommended bulk milk only)	Up to 7 days	16.00	OSTERTAG
IBR or BVD VNT (minimun of 5 samples)	On demand	POA	
Antigen detection BVD antigen (serum/ear tissue)	Up to 4 days	6.10	BVDV / BVDVE
Fluke coproantigen ELISA (faeces)	Up to 7 days	18.50	F_COPRO_B
PCR Johne's (faecal sample)	Up to 7 days	33.00	JOHNES PCI
Johne's pool (5 faecal samples)	Up to 7 days	40.00	JOH_PCR_PI
BVD (individual serum)	Up to 4 days	25.00	BVD_PCR
BVD (ear tissue test only)	Up to 4 days	4.50	BVD_PCR004
BVD (ear tissue tag and test)	Up to 4 days	5.65	
BVD (pooled serum up to 10 samples)	Up to 5 days	35.00	BVD_PCR003
BVD (bulk milk)	Up to 4 days	31.00	BVD_PCR_B
Leptospirosis (urine)	Up to 7 days	52.50	LEPTOS_PCR
Bactoproof™ mastitis PCR test (preserved milk) Detects 16 pathogens, see website for further details	Up to 4 days	50.00	MAST-16
Respiratory PCR* (swab)	Up to 7 days	60.00	RESP_PCR
Respiratory PCR* (BAL or tissue)	Up to 7 days	75.00	RESP_BAL
<b>Respiratory PCR* (pool of up to 5 samples - must be same sample type)</b> *Includes BoHV-1 (causative agent of IBR), PI3, RSV, Bovine coronavirus, Mycoplasma bovis, Histophilus somni, Pasteurella multocida, Mannheimia haemolytica	Up to 7 days	80.00	RESP_POOL
Fee for posted copies of report	n/a	2.00	
BVDFree antibody test upload	n/a	0.50	

CHeCS herd health programmes for BVD, leptospirosis, IBR, Johne's and Neospora BVD only BVD testing and control	3		10.0
brb only available testing and control			40.0 35.0
bTB add on to BVD or full membership			25.0
Full Eradication, monitoring & accreditation for up to 5 diseases			85.0
Bulk milk monitoring programme (3 bulk milk samples per annum including testing, milk pots and veterinary report Silver BVD, IBR & leptospirosis CHeCS programme & Johne's, Neospora, liver fluke and O			120.
Gold Silver plus 3 Bactoproof™ mastitis tests			190.
*A £10 discount will be applied to all members who choose to accept results and	invoices by e-mail o	or fax.	
Disease Testing	Turnaround	Price (£)	Code
<u>CHeCS Testing</u> Antibody assays (serum or individual milk)			
BVD ELISA	Up to 3 days	3.50	BVDS
Johne's ELISA	Up to 3 days	4.20	JOHNES
Leptospira hardjo ELISA	Up to 4 days	4.90	LEPTOS
IBR ELISA	Up to 3 days	4.00	IBRS
IBR gE marker ELISA	Up to 7 days	7.00	IBR_GE_M
Neospora caninum Ab ELISA	Up to 7 days	6.30	NEO_ELISA
Virus detection BVD antigen ELISA (serum)	Up to 4 days	6.00	BVDV
PCR Johne's (individual faecal sample)	Up to 7 days	30.00	JOHNES_P
Johne's (pooled faecal up to 5 samples)	Up to 7 days	37.50	JOH_PCR_
BVD (pooled serum up to 10 samples)	Up to 4 days	33.00	BVD_PCR0
BVD (ear tissue tag and test)	Up to 4 days	5.35	
BVD (ear tissue test only)	Up to 4 days	4.20	BVD_PCR0
Pliers for BVD Ear tissue testing	n/a	20.00	
Individual animal sales certificate (members) Non members Declaration required, please contact the office	n/a	10.00 15.00	
BVD Free antibody upload (per sample)	n/a	0.50	
BVD Free antigen test upload (per sample)	n/a	0.25	
Interpretation of results from another laboratory This fee will be applied when results from another laboratory such as BVD virus ear tissue or Johne's milk antibody results are used to assign a HiHealth Herdcare	n/a	20.00	

Metabolic profile and trace element testing is also available. Please contact the cattle health team for further advice or information packs.



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Disease	Testing requirement	Time interval between tests	Accreditation requirement	Maintaining accred
BVD	<ul> <li>Antibody check test on 5 animals from each management group of animals 9–18 months for antibody.</li> <li>Consult CHeCS rules for definition of separate groups.</li> <li>Or</li> <li>Test all calves born over a 12-month period for virus.</li> <li>In addition bulk milk antibody testing in dairy herds not vaccinating against BVD.</li> </ul>	<ul> <li>12-month interval between antibody check tests.</li> <li>Calf virus testing ongoing throughout year.</li> <li>Quarterly bulk milk tests.</li> <li>If main bulk tank antibody positive test sample from 1st lactation heifers only – see CHeCS rules.</li> </ul>	2 clear tests, 1 on each of 2 subsequent calf crops. Or 2 clear calf crops. Every calf born must be tested. Negative herd or 1st lactation bulk tests.	Annual young stock check Or Continuing negative virus In addition bulk milk testi (not compulsory).
IBR	Antibody test all animals 12 months and over plus all younger non-homebred animals.	1-12 months	2 clear tests	Antibody testing on a stat older – see CHeCS rules for Brooding bulls, and for IB
Leptospirosis	Antibody test all animals in the herd 2 years and over plus animals between 1 and 2 years old that are to be kept for breeding.	6-12 months	2 clear tests	Breeding bulls, and for IBI vaccinated animals must a milking animals are not in through quarterly bulk mi
Johne's disease	Antibody test all animals in the herd 2 years and over. Follow-up blood/dung tests on any antibody positive animals	12 months	A herd is assigned a Risk Level a for further details. 3 clear annua	
Neospora	Antibody test all females in the herd 2 years and over plus females between 1 and 2 years old that are to be kept for breeding and any purchased females.	12 months	A herd is assigned a Risk Level a for further details. 3 clear annua	

Bovine TB CHeCS herd accreditation is also available through HiHealth Herdcare. A herd is given a TB score based on the last 10 years of TB test data supplied by APHA. The CHeCS Bovine Tuberculosis (bTB) Herd Accreditation Programme details, and the CHeCS Technical Document incorporating rules for cattle health schemes, are available at <u>http://www.checs.co.uk/aboutus/downloads/</u>



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IBR all non-homebred and marker st additionally be tested. In dairy herds included in the sample but are monitored milk tests.

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of reactors identified - see CHeCS rules atus.

0	Test	Sample Required
6 Tissu	All Antibody testing BVD Antigen ELISA BVD / BDV PCR Biochemistry, including minerals, vitamins & trace elements (unless otherwise stated, see GSH-Px, others below)	Clotted blood/serum tube/red-topped samples - Lithium heparin cannot be used for BVD PCR testing - Tissue samples can also be used for BVD Ag ELISA/PCR testing
7	GSH-Px	Lithium heparin tube, whole blood
ŏ	Blood lead	Lithium heparin tube
9	MCF PCR	EDTA or lithium heparin (a red-top is not suitable for this test)
	Blood glucose	Fluoride oxalate tube; separated plasma or serum
	Blood zinc	Serum (no metal, rubber stopper/caps or gel tubes. Most modern red-top tubes are acceptable)
	Inorganic iodine	Serum (individual or pool up to 6 samples)
	Haematology	EDTA tube and air dried smears (a freshly made smear improves the lab's ability to provide meaningful differential counts and blood smear reports) Lithium heparin is a good back up for large animal haematology
	Tissue analysis (e.g. liver copper, selenium, other elements)	> 5 g fresh (not fixed) tissue. Freezing acceptable if mailing is delayed from time of sampling. Please note on submission if sample frozen.
	Histopathology	10% buffered formalin (at least 10x the tissue volume)
	Ectoparasites	Wool/hair plucks, skin scrapes in sterile screw-capped container

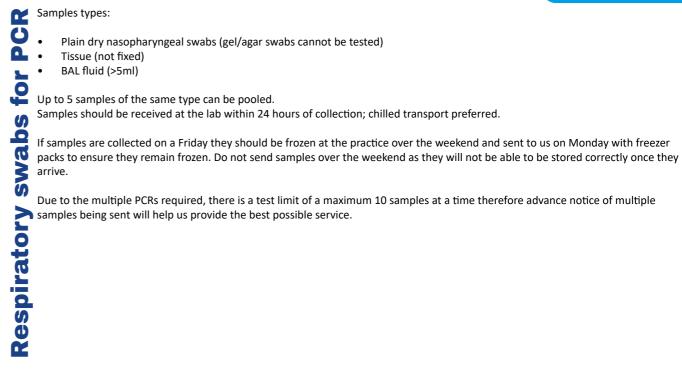
×	Test	Sample Required
	Mastitis PCR	Bronopol preservative advised
	Mastitis Culture	Unpreserved sample ONLY
	Antibody testing/BVD virus testing	Bronopol preservative advised

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Please submit faeces samples in a leak-proof container such as a pot with a screw on lid, NOT a glove. Test Sample Required Johne's PCR >20g faeces (one full universal) Worm Egg/ Coccidial Oocyst Count (WEC) 3g faeces ( a heaped teaspoon) Lungworm detection 10g faeces ( a heaped dessertspoon) Fluke detection WEC, Fluke and Lungworm detection

10g faeces (40g for 'liquid' samples) >20g faeces (one full universal) Fluke Coproantigen ELISA 5g faeces for bovine 2g faeces for ovine/caprine/camelid **Clostridial toxins** 2 ml small intestinal contents in universal (freezing acceptable if mailing delayed)

nteritis Please state the age of the animal on the form when submitting faeces for enteritis packages – what is tested varies depending on whether the animals is 1-5 days, 6-21 days or over 21 days. **Sample Required** Test Neonatal Ruminant enteritis profile (1-5 days) 5g faeces - Routine aerobic bacteriology (including Salmonella), Rotavirus, Coronavirus, Cryptosporidium, K99 ш Young ruminant enteritis profile (6-21 days) 5g faeces - Salmonella, Rotavirus, Coronavirus, Cryptosporidium ant Growing cattle enteritis profile (>22 days) 5g faeces - Salmonella, worm egg and coccidial oocysts5g Rumin Adult ruminant scour package 20g faeces - Johne's PCR, Fluke Coproantigen, Salmonella culture



DISCLAIMER - All standard testing days subject to change without prior notice. Turnaround times may increase as a result of problems with tests or samples.

### **Feline Testing Days**

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Test	Test set up	Results Available	Notes
VNT - Antibody Test Calicivirus (FCaV) Herpesvirus (FHV)	Friday	Following Monday	
IIFT/IFA - Antibody Test Panleukopaenia (Parvo or FPV)	Tuesday	Tuesday (PM)	
IIFT/IFA - Antibody Test Toxoplasma IgG & IgM	Daily Monday-Friday	Same day if negative, following day if suspected positives.	
IIFT/IFA - Antibody Test Neospora	Tuesday & Thursday	Same day if negative, following day if suspected positives.	
IIFT/IFA - Antibody Test Coronavirus	Daily Monday-Friday	Same day	
<b>IIFT/IFA - Antibody Test</b> FIV	Monday, Wednesday & Friday	Same day	
IIFT/IFA - Antigen Test Feline Leukaemia Virus (FeLV)	Tuesday	Tuesday (PM)	Heparin Blood preferred but EDTA can be used
Feline TB	1st & 3rd Thursday of each month	Following Monday	Heparin must be used Blood must NOT be chilled
Virus Detection - Virus Isolation Calicivirus (FCaV)	Monday	Test read Thur in the first instance	VTM swabs preferred but can use dry if required
Herpesvirus (FHV)	Friday	Test read Mon in the first instance	
Virus Detection - Virus Isolation Feline Pox Virus	Friday	Read on following Monday then re-read until ready	
Virus Detection - PCR Panleukopaenia Virus (Parvo/FPV)	Wednesday	Wednesday (PM)	
Virus Detection - PCR Feline Chlamydia Herpesvirus (FHV)	Wednesday	Wednesday (PM)	Dry swabs preferred but can use VTM if required
Rabies FAVN	Monday, Wednesday & Friday	Wednesday (PM), Friday (PM) & Monday (PM)	Samples prepared on day of arrival (except Saturday)



## **Canine Testing Days**

Test	Test set up	Results Available	Notes
VNT - Antibody Test Distemper Virus (CDV) Adenovirus (CAV) (AKA Infectious Hepatitis or CAV-2)	Thursday	CDV/CAV/CHV Following Monday	
Herpesvirus (CHV) Parainfluenza (CPiV)		CPiV - Checked on following Monday then re-read until ready	
HAI - Antibody test Parvovirus HAI (CPV)	Tuesday	Tuesday (PM)	
IIFT/IFA - Antibody Test Toxoplasma IgG & IgM	Daily Monday-Friday	Same day if negative, following day if suspected positives.	
IIFT/IFA - Antibody Test Neospora	Tuesday & Thursday	Same day if negative, following day if suspected positives.	
IIFT/IFA - Antibody Test Canine Leptospirosis	Tuesday & Friday	Same day for negative samples. Suspected positives are titrated on following test.	
CPSE	Tuesday	Same day	Send as serum or plasma if possible. Best to send chilled or guaranteed O/N
Virus Detection - Virus Isolation CAV, CHV, CPiV	Thursday	VTM swabs preferred but can use dry if required	Heparin Blood preferred but EDTA can be used
Virus Detection - PCR Canine Parvovirus (CPV)	Wednesday	Wednesday (PM)	Heparin must be used Blood must NOT be chilled
Virus Detection - PCR Canine Distemper (CDV)	Friday	Friday (PM)	Samples required day before test for prep
Virus Detection - Virus Isolation Feline Pox Virus	Friday	Read on following Monday then re-read until ready	
Virus Detection - PCR Canine Leptospirosis	Monday	Monday (PM)	
Rabies FAVN	Monday, Wednesday & Friday	Wednesday (PM), Friday (PM) & Monday (PM)	Samples prepared on day of arrival (except Saturday)

### **Equine Testing Days**

Test	Test set up	Results Available	Notes
<b>VNT - Antibody Test</b> Equine Viral Arteritis (EVA)	Monday, Wednesday, Friday	Wednesday, Friday, Monday	Additional test days in busy period (Jan - Mar)
<b>ELISA - Antibody Test</b> Equine Viral Arteritis (EVA)	Friday (All year) Monday & Wednesday (Jan-Mar only)	Same day for negatives (See above if VNT required)	Test screens for negative samples Suspected positives are then tested by VNT
AGID Equine Infectious Anaemia (EIA)	Monday, Tuesday, Wednesday, Thursday	Tuesday, Wednesday, Thursday, Friday	

### **Porcine Testing Days**

Test	Test set up	Results Available	Notes
IDEXX Porcine Reproductive + Respiratory Syndrome Virus ELISA (PRRS)	Monday	Same day (PM)	
Oxoid Mycoplasma hyopneumoniae ELISA (M. hyo)	Monday	Same day (PM)	
PCV-2 ELISA	Monday	Same day (PM)	

### **Avian Testing Days**

Test	Test set up	Results Available	Notes
			Faeces should be pooled from samples taken over 3-5 days for maximum sensitivity
Avian Chlamydia (AKA Psittacosis)	Tuesday (AM), Thursday (AM)	Tuesday (PM), Thursday (PM)	Although blood can be tested there is no published evidence to support its use
			Samples received by 9am on Monday or Wednesday will be included on the following days test
Psittacine Beak and Feather Disease (PBFD)	Tuesday (AM), Thursday (AM)	Tuesday (PM), Thursday (PM)	Samples received by 9am on Monday or Wednesday will be included on the following days test
Avian Polyomavirus (AKA Budgerigar Fledgling Disease)	Tuesday (AM), Thursday (AM)	Tuesday (PM), Thursday (PM)	Faeces should be pooled from samples taken over 3-5 days for maximum sensitivity Samples received by 9am on Monday or Wednesday will be included on the following days test
Pigeon Circovirus	As required	As required	Minimum of 5 samples required for this test There is limited validation of the use of blood, cloacal swabs and faeces
Sexing	Monday (O/N), Wednesday (O/N)	Tuesday (PM), Thursday (PM)	Samples received by 9am on Monday or Wednesday will be included on that nights test Extraction rate is around 60% for mouth swabs compared with around 99% for other sample types. Authorisation slip needed for mouth swabs

### **Poultry Testing Days**

Test	Test set up	Results Available	Notes
Salmonella CSPO	Daily Monday-Saturday	3 to 4 days for negative result 5 to 6 days for positive result	Positive sample are sent to APHA for further confirmation which might take up to 12 days
Salmonella Eggs	Daily Monday-Saturday	3 to 4 days for negative result 5 to 6 days for positive result	Positive sample are sent to APHA for further confirmation which might take up to 12 days Samples to be packed accordingly to means of transport so often they get damaged in transit Samples to be tested within 4 days from sampling date
Salmonella RVS	Daily Monday-Saturday	4 days for negative result 6 days for positive result	Positive sample are sent to APHA for further confirmation which might take up to 12 days
Salmonella RVS + MKTTn	Daily Monday-Saturday	3 days for negative result 5 days for positive result	Positive sample are sent to APHA for further confirmation which might take up to 12 days
Salmonella Selenite	Daily Monday-Saturday	3 days for negative result 5 days for positive result	Positive sample are sent to APHA for further confirmation which might take up to 12 days
TVC	Daily Monday-Saturday	2 to 3 days	
Enterobacteriaceae	Daily Monday-Saturday	1 day 3 days if confirmation is required	
Hygiene monitoring	Daily Monday-Saturday	2 days	
TVC@22, TVC @37, E.coli , Coilforms, Pseudomonas aeruginosa, Enterococcus facalis Clostridium prefringens, SR Clostridia	Daily Monday-Saturday	3 to 4 days depending on test required by the customer	
TVC, Enterobacteriaceae, Yeast and Mould, Apsergillus and Pseudomonas	Daily Monday-Saturday	5 days	

### **Bovine Testing Days**

Test	Test set up	Results Available	Notes
ELISA - Antibody test IBR (Bovine Herpesvirus-1) BVD (Bovine Viral Diarrohea Virus) Johnes (MAP)	Monday, Wednesday, Friday	Day after test set up	Regular IBR ELISA is not the same as the marker ELISA Regular BVD ELISA is for antibody detection NOT virus detection which is Antigen ELISA or PCR
ELISA - Antibody test PI3 (Parainfluenza-3 virus) RSV (Respiratory Syncitial virus) M. bovis (Mycoplasma bovis)	Tuesday	Wednesday	Milk is not a validated sample type We will test milk samples, however we have no established interpretation
<b>ELISA - Antibody Test</b> Neo (Neospora) Fluke (Fasciola hepatica)	Thursday	Friday	
<b>ELISA - Antibody Test</b> Lepto (Leptospirosis)	Tuesday, Thursday	Day after test set up	
<b>ELISA - Antibody Test</b> Ostertagia	Tuesday	Wednesday	
ELISA - Antibody Test IBR gE marker	Tuesday (O/N)	Wednesday	
<b>ELISA - Antigen Test</b> BVD (Bovine Viral Diarrohea Virus)	Wednesday, Friday	Day after test set up	Ear tissue samples must be received the day before the test to be prepared
ELISA - Antigen Test Fluke Coproantigen	Wednesday	Thursday	
VNT - Antibody Test Rotavirus Coronavirus	As required	Day after test set up	
Total IgG	As required	Day after test set up	
Virus Detection - PCR BVD (Bovine Viral Diarrohea Virus)	Tuesday, Thursday	Day after test set up	Serum MUST be from red top tube, heparin (green tops) cannot be tested by PCR Samples must be received the day before the test as they are pooled/aliquoted
Virus Detection - PCR Johnes (MAP)	Wednesday	Thursday (PM)	Faeces is a validated sample type, Milk/Colostrum/ Culture material can be tested but not covered by ISO17025
Virus Detection - PCR Mastitis Pathogens	Tuesday, Thursday	Same or following day	Diagnostic samples follow routine procedure
Virus Detection - PCR Respiratory PCR	Thursday	Friday (PM)	Plain dry swab is most suitable swab type, but we can also use VTM and charcoal swabs. WE CANNOT use gel/agar swabs Ensure strict transport procedures are adhered to

### **Ovine Testing Days**

Test	Test set up	Results Available	Notes
ELISA - Antibody Test Sheep Scab	Thursday	Friday	
ELISA - Antibody Test MVV/CAEV	Tuesday	Wednesday	
ELISA - Antibody Test CLA	Tuesday (Fortnightly)	Wednesday	
ELISA - Antibody Test Fluke (Fasciola hepatica)	Thursday	Friday	
<b>ELISA - Antibody test</b> Johnes (MAP)	Monday, Wednesday, Friday	Day after test set up	
ELISA - Antigen Test Fluke Coproantigen	Wednesday	Thursday	
<b>Virus Detection - PCR</b> Johnes (MAP)	Wednesday	Thursday (PM)	Faeces is a validated sample type, Milk/Colostrum/Culture material can be tested but not covered by ISO17025
Virus Detection - PCR BDV (Bovine Disease Virus)	Tuesday, Thursday	Day after test set up	

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**Contact Us** 

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All prices exclude VAT. Prices are valid until 31 December 2020 unless otherwise notified. Tests are conducted solely under Biobest Laboratories Limited Terms and Conditions of Supply. (www.biobest.co.uk)



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