

EQUINE

www.axiomvetlab.com/equine



Price Guide 2026/27

Welcome to the 2026-27 Axiom Veterinary Laboratories Equine Price Guide - your trusted partner in delivering high-quality, reliable veterinary laboratory services.

For over 30 years, we have collaborated with veterinary professionals, supporting the highest standards of patient and client care through our quality focused and responsive service. In partnership with Bell Equine, our equine veterinary team consistently offer support, advice and interpretation on an extensive range of test options.

Our partnership with Finn Pathologists continues to provide access to a leading veterinary histology laboratory, complementing our comprehensive test portfolio.

If you require a test not listed in this guide, we will go the extra mile to source it through our trusted network and manage the entire process on your behalf.

Our collaboration with MiLab Diagnostics remains central to our service, providing convenient access to referral laboratory consumables alongside reliable in-house testing solutions. This partnership continues to streamline your supply needs and supports efficient, high-quality diagnostics from start to finish.

Building on the success of last year, our exotic testing services - developed in collaboration with Finn Pathologists and Birch Heath Vets - continue to grow.

We offer fully interpreted testing for a wide range of exotic species, delivering expert insights and added confidence in every result.

We look forward to continuing our partnership in the year ahead.

For more information, please visit www.axiomvetlab.com, call us on **01626 355655**, or email admin@axiomvetlab.co.uk – our team is always here to help.

Samantha Weaver
General Manager

We're Listening!

Your feedback helps us improve and grow.

Take our short survey and help shape the future of our services.



We are accredited by UKAS to the internationally recognised BS EN ISO/IEC 17025:2017 standard for laboratory competence.



For full details of accredited tests please visit:
<https://www.ukas.com/download-schedule/9190/Testing/>

Opinions and interpretations, where included on reports, are outside the scope of UKAS accreditation.

We also offer an extensive range of **Companion Animal**, **Farm Animal**, and **Exotic Species** testing in separate price lists.



To request a copy of either:
call **01626 355655** or email admin@axiomvetlab.co.uk

Sustainability

We are committed to reducing our environmental impact and building a more sustainable future. Guided by our dedicated Sustainability Group, we've cut paper use, expanded recycling, including Terracycle, and switched to biodegradable and reusable lab consumables.

All non-recyclable waste is sent for energy recovery, and unused lab equipment is repurposed through UniGreenScheme. Our IT equipment is refurbished or responsibly recycled.

We are also enhancing biodiversity with bee-friendly planting and transitioning to a greener fleet, our sales team now drives hybrids, and we aim to phase out petrol and diesel vehicles by 2030.

We have planted wildflowers to encourage bees and butterflies, have added birdfeeders and a composting bin and have a weekly litter-picking rota.



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Swab, Container & Tube Identification

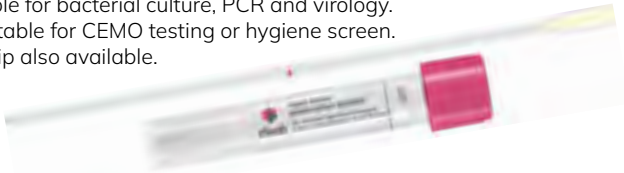
Please use appropriate pots for sample submission – please do not use gloves or bags
Order your consumables online at: <https://milab.store.unleashedsoftware.com> and explore our amazing range of products.

Forgotten your login details? Just give us a call at MiLab on 01379 855 595, and we'll get you sorted in no time!

Axiom Swab and Container Identification

E-Swab

Suitable for bacterial culture, PCR and virology.
Unsuitable for CEMO testing or hygiene screen.
Mini-tip also available.



Charcoal Transport Swab

Use for bacterial culture and stallion CEMO PCRs/cultures.
Unsuitable for other PCR or virology.



Charcoal Mini Wire Tip Transport Swab

Use for bacterial culture of smaller lesions and clitoral sinus CEMO PCRs/cultures.
Unsuitable for PCR or virology.



Dry Swab

Use for PCR tests or fungal culture. Unsuitable for bacterial culture.



Nasopharyngeal Swabs

This is recommended for tests/panels that include either culture or PCR for *Streptococcus equi ssp equi* or *Streptococcus equi ssp zooepidemicus*. They can also be used for viral respiratory pathogen PCR testing. NP swabs for PCR can be submitted dry, moistened or in viral transport medium but **NOT** bacterial transport medium. Samples for culture only can be submitted plain or in bacterial transport medium but **NOT** viral transport medium. Samples for respiratory panels can be transmitted plain or moistened.



30ml Plain Universal Container

Use for pus, fluids, washes, tissue samples for bacterial culture.

30ml Universal Faecal Container (with spoon)

Use for small faeces samples.



60ml Plain Universal Container

Use for larger samples of faeces, pus, fluids, washes, tissue samples.

Histology Pots 20ml, 60ml, 90ml & 120ml

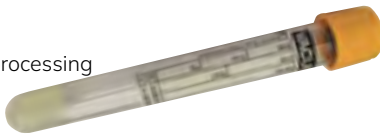
Contain 10% neutral buffered formalin. Immerse tissues immediately after harvesting at a tissue:formalin ratio of 1:10.



Axiom Blood Vacutainer Identification

Yellow – Serum Gel

Serum gel tubes speed up the processing of samples by reducing manual handling in the laboratory. They can be used for all serology tests. They can also be used for many biochemistry tests (see heparin for exceptions). Allow the sample to clot, then if possible centrifuge to reduce haemolysis.



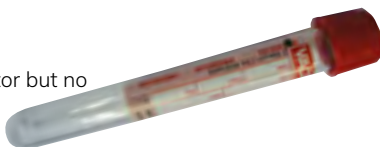
Purple – EDTA

EDTA is the best anticoagulant for preservation of cell morphology. It is therefore the tube of choice for haematology, haemoparasite screens and cytology (including tracheal wash and bronchoalveolar lavage samples).



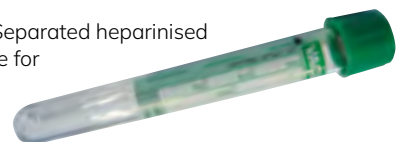
Red – Serum Clot Activator

This tube contains a clot activator but no anticoagulants, preservatives, or separator material. It is used for collection of serum for selected laboratory tests.



Green – Heparin

Heparin is an anticoagulant. Separated heparinised plasma is the sample of choice for measurement of electrolyte concentrations, as prompt separation prior to postage reduces post-sampling electrolyte shifts. Heparinised plasma can be used for most biochemical but not endocrine tests. Whole heparinised blood is only occasionally required for specific tests, e.g. GSHPx for assessment of selenium status.



Tips for Dermatology Sampling

Skin scrapes: Scrape deeply the edge of several active lesions. Transfer the material to a plain universal container. **DO NOT** use liquid paraffin on the scalp and **DO NOT** include the scalp in the pot for health and safety reasons.

Skin swabs: Swab the edge of an active lesion with a transport swab. If the lesion is dry, moisten the tip of the swab with sterile water (e.g. water for injection).

Our courier bookings are online

Please order your courier collection by visiting our booking website at <https://book-a-courier.co.uk/> (or by scanning the adjacent QR code).



Collections must be ordered before your assigned cut off time, as advised by your Business Development Manager or laboratory.

Any collections ordered after this time will need to be rebooked the next day.

Packaging Guidelines

Animal specimens, with a minimal likelihood of causing fatal disease, being transported for diagnostic investigations must be classified as ‘Biological Substance, Category B – UN3373’.

To comply with dangerous goods regulations, this means that specimens must be **triple packaged** under packaging requirement 650 to ensure safe transport.

The key requirements for UN3373 specimens are:

- 1) A leak-proof primary receptacle (blood tube, biopsy pot, swab etc.)
- 2) Leak-proof secondary packaging (mailing container, biohazard bag) with absorbent material so as to not compromise the outer packaging should the contents of the primary container leak into the secondary packaging.
- 3) Outer packaging labelled with the UN3373 diamond and proper shipping name “Biological Substance, Category B” and the sender’s address.



Please enclose a fully completed submission form with all specimens, including the patient details, travel history as well as a succinct, relevant clinical history and tests required. This will avoid processing delays at the laboratory.

Failure to comply with these regulations violates dangerous goods regulations (IATA/ADR). If you use our courier service, your driver will not be able to collect any specimens that have not been packaged to this requirement.

Sample Submission

How to get the most out of your submissions

Submission forms should be filled in completely and legibly with practice details at the top. A succinct clinical history is particularly important for any cases requiring interpretation, including histology and cytology, along with recording relevant site information on all specimens where this would affect interpretation or potential treatment.

It is imperative that we are alerted on the submission form to any samples that might be high-risk for zoonotic transmission, including any travel history.

Please check that specimen containers are in date and are labelled with the patient name and date the sample was taken. Also label with the sample type if not indicated on the container. Lids should be fastened securely by tightening but **do not** seal with adhesive tape.

Histology and Cytology

All slides should be sent in slide mailers and these should not be packaged in the same bag as histology samples. EDTA is the tube of choice for cytology but plain is required for culture. Histology samples should only be packaged in supplied containers. Further guidance on sample packaging can be found in the factsheets available on our website.

Microbiology

Please ensure all samples are collected using the correct swab/container and these are clearly labelled with names, sites and dates - this is critical for certification such as CEMO.

Ensure that it is clear which test relates to which sample and whether or not samples are to be pooled. PCR and culture samples from multiple sites will be processed and charged separately unless clearly requested otherwise on the submission form.

Chemistry/Haematology

Fresh blood smears should be submitted with all haematology requests. Blood/fluid should be decanted into sample tubes, not sent in syringes with needles.

Serum, plasma, blood and microbiology samples are retained for five days to allow for further testing – please call or email the lab if you would like to add additional tests. Samples will not always still be diagnostic, our medicine team are happy to discuss whether the sample is likely to be suitable, or whether re-sampling could be a better option.

Supplies

Use our compliant P650 packaging or, ensure that absorbent material is sufficient for potential spill of volume of sample being sent.

It is the sender's responsibility to ensure that pathological specimens are sent in accordance with dangerous goods regulations. Further support on how to package your samples can be found on our website or by calling our friendly team.

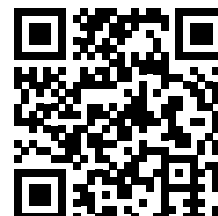
Ready to order your consumables?

Head to <https://milab.store.unleashedsoftware.com> and explore our amazing range of products.

Forgotten your login details? Just give us a call at **MiLab** on **01379 855 595**, and we'll get you sorted in no time!

MiLab

cvsl | Diagnostics



IMPORTANT NOTE:

Samples should be sent in appropriate packaging to ensure best quality of result and the wellbeing of those handling these packages. If you are unsure on how best to package your sample, please do not hesitate to contact the team. Please be aware that making inappropriately packaged samples safe to handle adds extra time and cost to the process and receipt of such packages may incur a Safe Handling Charge of . We will always consult you in such instances.

Quality of Care

Axiom has been running a dedicated equine diagnostics service since December 2013, offering a comprehensive 'one stop shop' for all your equine diagnostics needs. We take pride in providing the highest quality advice, testing and results for you and your clients.

We are accredited by UKAS to the internationally recognised BS EN ISO/ IEC 17025:2017 standard for laboratory competence.

For full details of accredited tests please visit: [UKAS Scope of Accreditation 9190](#)



Why Choose an Accredited Laboratory for your testing?

- UKAS supports the delivery of quality assessment and conformity processes to the benefit of the businesses and organisations who stipulate or use accredited tests, measurements, inspections or certification scheme and there are over 1700 UKAS accredited testing laboratories in the UK servicing a diverse range of industry sectors.
- Accreditation determines the technical competence, reliability and integrity of Conformity Assessment Bodies. It spans all aspects of our everyday lives to provide confidence that accredited organisations are competent and can be trusted to deliver promised levels of performance and protection for the products and services we rely on.
- Organisations check conformity and compliance with standards and regulations through testing, verification, inspection and calibration. UKAS accreditation elevates the credibility of test results, ensures the reliability of measurements, enhances the reputation of certified activities, and ensures inspected equipment and processes can be relied upon to operate safely and accurately.
- Choosing Axiom is choosing a laboratory accredited to ISO 17025:2017 and provides peace of mind and an assurance of quality work being performed throughout the entire process.
- You wouldn't drive a car that didn't have a current, valid MOT certificate – because the risks are obvious. The same is true of services from commercial laboratories – by choosing an accredited laboratory it gives you the confidence that the laboratory operates within defined procedures to established standards and continual best practice at all times.
- The laboratories themselves choose to become accredited for a wide variety of reasons, from increased efficiency and greater access to marketplaces to professional pride and improved reputation. These benefits, along with many others, can be conferred onto those using accredited testing laboratories by showing that they care about the services they are using.
- Every laboratory is different in terms of its facilities, equipment, personnel and the testing procedures it performs - by using an UKAS accredited testing laboratory you are also ensuring quality of results, ensuring their traceability, comparability and validity. UKAS accreditation ensures the highest levels of impartiality, objectivity and competence through the continuous assessment process, delivered by highly competent assessors and technical experts in all fields.

The AXIOM Equine Veterinary Team

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Jane Lindop

BVM&S, CertEP, MRCVS

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Lead Equine Histopathologist

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Maria Jose Pinilla

DVM, MVetMed, DipRCPATH, MRCVS

Sionagh Smith

BVMS, PhD, DACVP, SFHEA, MRCVS



Scan the QR Code to find out more about our dedicated team of **Clinical Pathologists**, **Equine Medicine Advisors** and **Histopathologists** or visit:

<https://axiomvetlab.com/about-us/>

Top-Up Tests

Top-Up tests can now be added within two working days of the sample being received in the lab.

The discounted Top-Up tests on this page are available when requested as follows:

- Requested in addition to the profiles on Pages 10 & 11.
- Requested with other specified tests such as PCR or Cytology.
- Following in-house testing using MiLab analysers within the past 7 days and results are attached to the submission form.

Title	Page No.	Top-Up Price	Price	Code
INDIVIDUAL CHEMISTRY TESTS: Please specify one or more from:				
Albumin, ALP, ALT, AST, Calcium, Chloride, Cholesterol, CK, Creatinine, DGGR Lipase, GGT, GLDH, LDH, Magnesium, Phosphate, Potassium, Sodium, Total Bilirubin, Total Protein, Triglycerides, Urea.	12,13			
Bile Acids (includes Total Bilirubin)	12			EBILET
Bilirubin (Total, Direct, Indirect)	12			ETBILT
Ionised Calcium	12			ECAIONT
Iron	12			EIRONT
PROTOCOL: IONISED CALCIUM 1. Collect the blood into a serum tube (not a serum gel barrier tube), ensure the tube is 100% full and avoid the inclusion of air bubbles. 2. Allow MINIMUM 15 minutes for the blood to clot then centrifuge and remove the resulting serum and place into a 0.5ml serum tube, ensuring it is completely filled.				
Glucose	12			EGLUCT
Protein Electrophoresis	13			EEPT
Serum Amyloid A (SAA)	13			SAAT
SDMA	13			ESDMAT
Total Protein, Albumin and Globulin	13			ETPALT
Zinc	13			EZINCT
HAEMATOLOGY				
Haematology (Complete Blood Count)	14			EHAEMAT
PT & APTT Coagulation Times	14			EPTAPT
Fibrinogen, Precipitation Method	14			EFIBRIT
ENDOCRINOLOGY				
Adiponectin - when requested with an ACTH†	16			BADIP
Insulin and Glucose - when requested with an ACTH†	16			BEINSU
Triglycerides - when requested with an ACTH†	16			BETRIG
MICROBIOLOGY				
Microbiological Culture - Add Culture (and sensitivity as appropriate) to PCR or Cytology	20,23,26			EVCUL2
Urine Culture - when requested with any PCR	20,23,25			EUCUL2
Coronavirus PCR - when requested with a faecal panel ^R	20,24			EPCCOR2
Urine Protein:Creatinine Ratio	25			EUPCT

Top-Up Testing



To qualify for the discounted top-up tests listed on these pages, please ensure that results from in-house testing run on your MiLab analyser **within the 7 days prior to the sample being received at the laboratory** are attached to your submission.

Where the **MiLab** logo appears throughout the guide, the test highlighted is available at a Top-Up price, providing the above conditions are met.

†= Non Discountable

All prices listed are exclusive of VAT.

Profiles

Fast Track Charge†

Most same day tests can be fast tracked at an additional charge with the aim of reporting results by 1.30pm.

EPRIOR

Title	Additional Information	Turnaround	Sample Type	Price	Code
General	Haematology, Total Protein, Albumin, Globulin, ALP, AST, CK, Urea, Creatinine, GGT, GLDH, Triglycerides, SAA, Fibrinogen.	Same Day	EDTA, and S or HP		EQUIS
Comprehensive	Haematology, Total Protein, Albumin, Globulin, ALP, AST, CK, Urea, Creatinine, GGT, GLDH, Bilirubin (Total), Bile Acids, Triglycerides, SAA, Fibrinogen, Calcium (Total), Potassium, Sodium, Chloride, Phosphate.	Same Day	EDTA, and S or HP		ECOMP
Muscle	AST, CK.	Same Day	S or HP		MUSCL
Muscle Exercise Test (pre and post exercise)	AST, CK.	Same Day	S or HP (2 x samples clearly labelled pre and post)		MUSCPP
Athletic	Haematology, CK, AST, Fibrinogen, SAA.	Same Day	EDTA, and S or HP		ATHLET
Inflammatory	Haematology, Total Protein, Albumin, Globulin, SAA, Fibrinogen, Iron.	Same Day	EDTA, and S or HP		INFLA
Neonate	Haematology, Total Protein, Albumin, Globulin, Creatinine, SAA, Fibrinogen, IgG.	Same Day	EDTA, and S or HP		NEWB
Liver	Haematology, Total Protein, Albumin, Globulin, Urea, ALP, AST, GGT, GLDH, LDH, Bile Acids, Bilirubin (Total, Direct, Indirect), Triglycerides.	Same Day	EDTA, and S or HP		ELIVE
Renal	Haematology, Total Protein, Albumin, Globulin, Urea, Creatinine, SAA, Fibrinogen, Calcium (Total), Sodium, Chloride, Potassium, Phosphate, Magnesium.	Same Day	EDTA, and S or HP		ERENA
Renal Including Full Urinalysis Without Culture*	Haematology, Total Protein, Albumin, Globulin, Urea, Creatinine, SAA, Fibrinogen, Calcium (Total), Sodium, Chloride, Potassium, Phosphate, Magnesium, Full Urinalysis without Culture. Please see page 25 for urine tests.	Same Day	EDTA, S or HP and Urine		ERENALU
Renal Including Full Urinalysis Without Culture Plus FE Electrolytes*	Haematology, Total Protein, Albumin, Globulin, Urea, Creatinine, SAA, Fibrinogen, Calcium (Total), Sodium, Chloride, Potassium, Phosphate, Magnesium, Full Urinalysis without Culture plus FE Electrolytes. Please see page 25 for urine tests.	Same Day	EDTA, S or HP and Urine		ERENALUF
Urine Culture (EUCULT) can be added to Renal Profiles (ERENALU & ERENALUF) at the reduced Top-Up price providing all of the required samples are submitted together at the time of submission.					
Electrolyte 3	Sodium, Chloride, Potassium.	Same Day	Separated S or HP		EELEC
Electrolyte 6	Sodium, Chloride, Potassium, Calcium (Total), Phosphate, Magnesium.	Same Day	Separated S or HP		ELEC6

***For profiles containing blood and urine tests, please ensure you submit both samples at the same time.** If the samples are received separately on different days you will be charged the profile price plus the price of the tests on the second sample. For **ERENALUF**, it is important to sample blood and urine at approximately same time for useful FE results.

Please see page 9 for discounted Top-Up Tests that can be added to these Profiles.

EDTA = Whole EDTA S = Serum HP = Heparin Plasma. S or HP should be separated. This is particularly important for electrolytes.
FE = Fractional Excretion.

Profiles

Profiles
at a
glance

	General	Comprehensive	Muscle	Muscle Exercise Test (pre and post exercise)	Athletic	Inflammatory	Neonate	Liver	Renal	Renal Including Full Urinalysis without Culture	Renal Including Full Urinalysis without Culture plus Fractional Electrolytes	Electrolyte 3	Electrolyte 6
Code	EQUIS	ECOMP	MUSCL	MUSCPP	ATHLET	INFLA	NEWB	ELIVE	ERENA	ERENALU	ERENALUF	EELEC	ELEC6
Albumin	•	•				•	•	•	•	•	•		
ALP	•	•						•					
AST	•	•	•	••	•			•					
Bile Acids		•						•					
Bilirubin		•						•					
Calcium (Total)		•							•	•	•		•
Chloride		•							•	•	•	•	•
CK	•	•	•	••	•								
Creatinine	•	•					•		•	•	•		
Fibrinogen	•	•			•	•	•		•	•	•		
GGT	•	•						•					
GLDH	•	•						•					
Globulin	•	•				•	•	•	•	•	•		
Haematology	•	•			•	•	•	•	•	•	•		
Iron						•							
IgG							•						
LDH								•					
Magnesium									•	•	•		•
Phosphate		•							•	•	•		•
Potassium		•							•	•	•	•	•
SAA	•	•			•	•	•		•	•	•		
Sodium		•							•	•	•	•	•
Total Protein	•	•				•	•	•	•	•	•		
Triglycerides	•	•						•					
Urea	•	•						•	•	•	•		
Full Urinalysis without Culture										•	•		
Full Urinalysis without Culture plus FE Electrolytes											•		
Price 2026-27													

Chemistry

Title	Additional Information	Turnaround	Sample Type	Price	Code
Albumin	MiLab	Same Day	S or HP or EP		EALB
ALP (SAP)	MiLab	Same Day	S or HP		EALP
ALT	MiLab	Same Day	S or HP		EALT
AST	MiLab	Same Day	S or HP		EAST
Bile Acids (includes Total Bilirubin)		Same Day	S or HP or EP		EBILE
Top-Up Bile Acids (includes Total Bilirubin)	MiLab				EBILET
Bilirubin (Total)	MiLab	Same Day	S or HP or EP		ETBIL
Bilirubin (Total, Direct, Indirect)		Same Day	S or HP		ETBDI
Top-Up Bilirubin (Total, Direct, Indirect)	MiLab				ETBILT
Calcium (Total)	MiLab	Same Day	Separated S or HP		ECA
Calcium (Ionised)		Same Day	Please see protocol below		ECAION
Top-Up Calcium (Ionised)	MiLab				ECAIONT
PROTOCOL: IONISED CALCIUM 1. Collect the blood into a serum tube (not a serum gel barrier tube), ensure the tube is 100% full and avoid the inclusion of air bubbles. 2. Allow MINIMUM 15 minutes for the blood to clot then centrifuge and remove the resulting serum and place into a plain tube, ensuring it is completely filled.					
Troponin I (cardiac)		Same Day	0.5ml S or HP		ETROP
Chloride	MiLab	Same Day	Separated S or HP		ECL
Cholesterol	MiLab	Same Day	S or HP or EP		ECHOL
CK	MiLab	Same Day	Serum		ECK
Copper		Same Day	0.5ml Heparin Plasma		ECU
Creatinine	MiLab	Same Day	S or HP or EP		ECREAT
IgG (Foal)		Same Day	S or HP or EP		FIGG
GGT	MiLab	Same Day	S or HP or EP		EGGT
GLDH	MiLab	Same Day	S or HP or EP		EGLDH
Globulin	Not requestable alone. Please request ETPAL on page 13.	Same Day	S or HP or EP		
Glucose		Same Day	Serum separated within 30 minutes of sampling; or Fluoride Oxalate		EGLUC
Top-Up Glucose	MiLab				EGLUCT
Glucose up to 10 time points (for oral glucose absorption test)		Same Day	As above		EGLUC10
Iron		Same Day	S or HP		EIRON
Top-Up Iron	MiLab				EIRONT
LDH	MiLab	Same Day	S or HP		ELDH
Lipase (DGGR)	MiLab	Same Day	S or HP		ELIPA
Magnesium	MiLab	Same Day	Separated S or HP		EMG
Phosphate	MiLab	Same Day	Separated S or HP		EPHOS
Potassium	MiLab	Same Day	Separated S or HP		EK

^R= Referral Test (Non-discountable)

S = Serum HP = Heparin Plasma EP = EDTA Plasma. S or HP should be separated. This is particularly important for electrolytes.

Chemistry

Title	Additional Information	Turnaround	Sample Type	Price	Code
Protein Electrophoresis		Up to 3 Days	Serum		EEP
Top-Up Protein Electrophoresis	MiLab				EEPT
Selenium, GSHPx	Recommended for the detection of selenium deficiency.	Same Day	Whole Heparin		EGSH
Selenium (Elemental)^R	Recommended for monitoring supplementation or assessing for toxic selenium levels.	Up to 9 Days	S or HP		ESELEN
Serum Amyloid A (SAA)		Same Day	S or HP or EP		SAA
Top-Up Serum Amyloid A (SAA)	MiLab				SAAT
SDMA (Symmetric dimethylarginine)	Used to detect the early stages of renal dysfunction. **Now run IN-HOUSE with SAME DAY Results**	Same Day	0.5ml Separated Serum or 0.5ml Heparin Plasma		ESDMA
Top-Up SDMA	MiLab				ESDMAT
Sodium	MiLab	Same Day	Separated S or HP		ENA
Thymidine Kinase^R		Up to 1 Month	S or HP		ETHKN
Total Protein	MiLab	Same Day	S or HP or EP		EPROT
Total Protein, Albumin and Globulin		Same Day	S or HP or EP		ETPAL
Top-Up Total Protein, Albumin and Globulin	MiLab				ETPALT
Triglycerides	MiLab	Same Day	S or HP or EP		ETRIG
Urea	MiLab	Same Day	S or EP		EUREA
Vitamin E^R	Chilled/frozen and protected from light.	Up to 5 Days	S or HP		EVITE
VITAMIN E Serum/plasma samples should be separated as quickly as possible following collection. Samples should also be chilled/frozen and protected from the light e.g wrapped in tin foil. Unseparated serum/plasma samples, samples at room temperature or those not protected from the light are considered to be non-diagnostic. Ideally samples should be transported upright (to minimise contact with rubber bung).					
Zinc		Same Day	Serum (plain PLASTIC tube, no rubber bung)		EZINC
Top-Up Zinc	MiLab				EZINCT

MiLab Please see page 9 for details of discounted Top-Up Tests.

^R= Referral Test (Non-discountable)

S = Serum HP = Heparin Plasma EP = EDTA Plasma. S or HP should be separated. This is particularly important for electrolytes.

All prices listed are exclusive of VAT.

Haematology & Coagulation

Title	Additional Information	Turnaround	Sample Type	Price	Code
Haematology (Complete Blood Count)	Full Blood Count, Platelet Count and WBC Differential.	Same Day	EDTA		EHAEMA
Top-Up Haematology (Complete Blood Count)					EHAEMAT
Packed Cell Volume		Same Day	EDTA		EPCV
Coombs AGT^R		Next Day	EDTA		COOME
Cross Match	To cross match a patient with a single donor.	Same Day but NOT Saturdays	Serum and EDTA from both animals		ECROSS
Fibrinogen, Precipitation Method		Same Day	EDTA		EFIBRI
Top-Up Fibrinogen, Precipitation Method					EFIBRIT
Haemolytic Antibodies^R		Next Day	Serum		EHANTI
Haemorrhage Screen	Haematology, PT & APTT. Please submit a control sample (no extra charge).	Same Day	EDTA + Filled to line CITRATE		EHAEMO
Platelets		Same Day	EDTA		EPLT
PT (Prothrombin Time)	Please submit a control sample (no extra charge).	Same Day	Filled to line CITRATE		EPT
PT & APTT Coagulation Times	Please submit a control sample (no extra charge).	Same Day	Filled to line CITRATE		EPTAP
Top-Up PT & APTT Coagulation Times					EPTAPT
Buffy Coat Smear Examination		Same Day	EDTA		BUFF
Pathologist Haematology Review	Clinical pathologist review of blood smear and haematology results. Requires comprehensive haematology or submitted in-house haematology results from the same blood sample.	Up to 2 Days	EDTA blood and, ideally, fresh film		EPH

Equine Haematology: Submission of fresh blood smears

When there will be a delay between blood sample collection and processing, when possible, submission of a fresh blood film alongside the EDTA sample is helpful.

Prolonged storage of blood in EDTA can lead to various changes which can have clinically relevant implications:

- 1 Platelet clumps form.
- 2 White blood cells develop nuclear swelling which can give a false impression of band neutrophils.
- 3 White blood cells can also appear degenerate and pyknotic, leading to an inaccurate differential.
- 4 Red blood cells swell, which is worsened by warm weather, leading to macrocytosis.

Guide to making a blood smear

- 1 Use clean slides with a frosted end. Place on a flat surface, and a drop of well mixed blood is placed on one end of the slide (**A**).
- 2 This slide is held in place with one hand and a second glass slide (spreader slide) is placed on the first slide and held between thumb and forefinger at a 30-40 degree angle in front of the drop of blood. If the horse is very anaemic then by elevating the spreader slide to 45 degrees this ensures a properly feathered edge without carrying the sample off the end of the slide (**B**).
- 3 The spreader slide is drawn back into the drop of blood (**C**).
- 4 As soon as the blood flows along the back side of the spreader slide it is pushed quickly forward with firm, even pressure (**D**).
- 5 If the drop size and speed/angle of the spreader slide are correct, you will run out of blood before reaching the end of the slide, thus producing a "feathered edge" and a smear that extends no more than $\frac{3}{4}$ along the length of the slide. Smears should be rapidly air dried, labelled in pencil and left unstained (**E**).
- 6 Blood smears should not be refrigerated (causes cell lysis) or exposed to formalin (gives the smears a greenish hue).

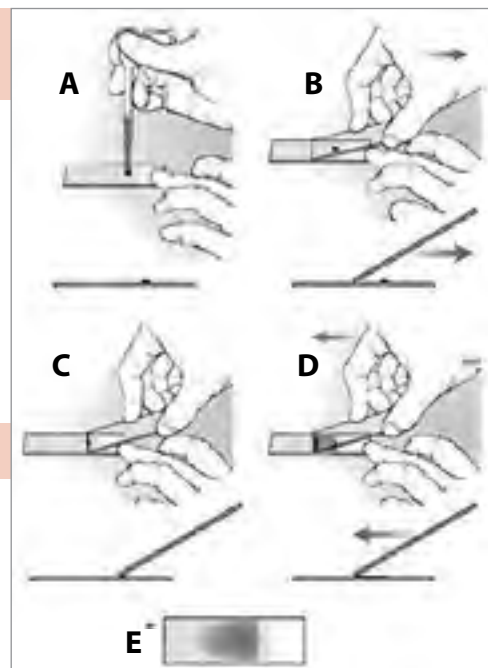


Image: www.vet.cornell.edu



Image of blood smears (unstained and stained) showing monolayer and feathered edge

^R= Referral Test (Non-discountable)

Endocrinology

EQUINE METABOLIC SYNDROME AND PITUITARY PARS INTERMEDIA DYSFUNCTION (PPID AKA CUSHING'S)

ACTH

- Diagnostic indicator of pituitary *pars intermedia* dysfunction (PPID).
- Fair to good sensitivity and specificity.
- TRH stimulation tests can improve accuracy in some cases.
- ACTH values increase in the autumn in both PPID positive and negative cases with a greater rise in PPID cases (that increases test accuracy). The extent of autumnal increases differs in different breeds.
- Equivocal results are common and results must be interpreted in the clinical context.
- Can also be used to monitor cases of PPID receiving treatment.
- Not a good indicator of laminitis risk but can be combined with assessment of insulin to indicate factors contributing to hyperinsulinaemia.

INSULIN

- Can be helpful to identify cases at the highest risk of laminitis.
- Can identify the cause of laminitis.
- Can help manage the risk of recurrence in previously laminitic horses.
- High insulin concentrations often occur with obesity and adipose dysregulation i.e. Equine Metabolic Syndrome (EMS) but are also seen in normal and thin horses.
- Other factors, such as PPID or corticosteroid treatment may cause or exacerbate hyperinsulinaemia.
- Insulin can be assessed as basal concentrations or following stimulation.
- Basal insulin provides a reasonable indicator of laminitis risk but will not detect all cases of insulin dysregulation. The oral sugar test is more sensitive.
- Do not fast before sampling for basal insulin. Hard feeds should be withheld for four hours, allow hay/forage.
- Fasting for six hours is preferred for the oral sugar test but the test can be performed without fasting if required for horses kept at pasture.

Oral Sugar Test

- Administer 0.45ml/kg of 'Karo Light' corn syrup orally by syringe or in a small amount of chaff.
- Collect blood 60-75 minutes after administration of corn syrup.
- Monitoring of insulin can be helpful, it can improve with diet and exercise.

ADIPONECTIN

- Low adiponectin is common in EMS and is associated with obesity, dysfunctional fat and laminitis.
- Low adiponectin indicates laminitis risk with a similar accuracy to basal insulin.
- Adiponectin concentrations may increase with dietary changes and increased exercise but adiponectin is more resistant to change than insulin and may reflect long term metabolic health and unalterable genetic factors.

SGLT-2 INHIBITORS ('GLIFLOZIN' MEDICINES)

- Are not licensed in horses but can be useful for management of hyperinsulinaemia.
- Are associated with occasional hepatopathy and severe hypertriglyceridaemia.
- Assessment of insulin, triglycerides and GGT is prudent prior to and during treatment. Days 0, 7 and 28 are commonly used sampling points.

ACTH Submission Pack*

N.B. freeze ice packs for 24 hours before use.

Temperature: Samples must be chilled within 3 hours of sampling, even if separation has not yet occurred, and kept chilled in transit. Freezing is not required if submitting by overnight courier on the day of sampling. If shipping is delayed, then freezing is best practice (never freeze whole blood, freeze plasma only).

Sample handling:

1. Collect a single blood sample into a 6-10ml EDTA (purple) tube.

2. Centrifuge sample and separate as soon as is practically possible, ideally within 4 hrs.
3. Pipette plasma into a plain tube and mark it with patient name, date and 'EDTA plasma' (if submitting more than one sample clearly label each tube e.g. 'PRE TRH' and 'POST TRH').
4. Discard red cells.
5. Keep sample chilled until shipping.
6. Put into silver bag with frozen ice pack for shipping.

Title	Additional Information	Turnaround	Sample Type	Price	Code
ACTH (Basal)		Same Day	ACTH - Separated CHILLED* EDTA plasma. Please label tube 'basal'.		HEACT
ACTH (Post TRH)	Inject 1mg TRH iv. Take sample 10 minutes after injection and label 'post' (For basal sample please see test code HEACT). TRH is available from special manufacturers, please contact us for details.	Same Day	ACTH - Separated CHILLED* EDTA plasma. Please label tube 'post'.		HEACTP
ACTH (Basal and Post TRH)		Same Day			HEACTBP
ACTH Initial Diagnosis	Boehringer Ingelheim "Care about Cushings" complimentary ACTH scheme. Voucher Code required at time of submission.			FOC	BTAL
ACTH Monitoring	Boehringer Ingelheim "Care about Cushings" complimentary ACTH scheme. Voucher Code required at time of submission.			FOC	LAMON

*= Chilled sample

All prices listed are exclusive of VAT.

Endocrinology

Title	Additional Information	Turnaround	Sample Type	Price	Code
PPID Monitoring	Insulin, Glucose, ACTH. Insulin samples may be basal (complete fasting is not required but >4h since any hard feed) or following oral carbohydrate challenge (60-75 mins after 0.45mls/kg 'Karo Light' syrup or 2h after 1g/kg dextrose powder.)	Same Day	Insulin - Serum. Please select box on submission form for basal, post 'Karo Light' or post dextrose. Glucose - Serum separated within 30 minutes of sampling; or Fluoride Oxalate. ACTH - Separated CHILLED* EDTA plasma.		PPID
Laminitis Risk Plus Profile	ACTH, Insulin, Glucose, Adiponectin, Triglycerides.	Same Day	See above plus Serum or Heparin plasma for Adiponectin and Triglycerides.		LAMIRP
Insulin and Glucose	Insulin, Glucose Insulin samples may be basal (complete fasting is not required but >4h since any hard feed) or following oral carbohydrate challenge (60-75 mins after 0.45mls/kg 'Karo Light' syrup or 2h after 1g/kg dextrose powder.)	Same Day	Insulin - Serum. Please select box on submission form for basal, post 'Karo Light' or post dextrose. Glucose - Serum separated within 30 minutes of sampling; or Fluoride Oxalate.		EINSU
Insulin only (No Glucose)		Same Day	Serum. Please select box on submission form for basal, post 'Karo Light' or post dextrose		EINSS
EMS Screen	Insulin, Glucose, Triglycerides, Adiponectin. Insulin samples may be basal (complete fasting is not required but >4 hours since any hard feed) or following oral carbohydrate challenge (60-75 mins after 0.45mls/kg 'Karo Light' syrup or 2 hours after 1g/kg dextrose powder.)	Same Day	Insulin - Serum. Please select box on submission form for basal, post 'Karo Light' or post dextrose. Glucose - Serum separated within 30 minutes of sampling; or Fluoride Oxalate. Triglyceride and Adiponectin - Serum or Heparin plasma		LAMIR
SGLT2i Monitoring Profile	Insulin, Triglycerides, Glucose, GGT, GLDH. For horses receiving treatment with ertugliflozin (Steglatro) or canagliflozin (Invokana).	Same Day	Serum		ESGLT2
Adiponectin		Same Day	Serum or Heparin plasma		ADIP
Adiponectin (when requested with an ACTH)†		Same Day	Serum or Heparin plasma		BADIP
Insulin and Glucose (when requested with an ACTH)†		Same Day	Insulin - Serum. Please select box on submission form for basal, post 'Karo Light' or post dextrose. Glucose - Serum separated within 30 minutes of sampling; or Fluoride Oxalate.		BEINSU
Triglycerides (when requested with an ACTH)†		Same Day	Serum, Heparin plasma or EDTA plasma		BETRIG
Cortisol (serum)^R		Next Day	Serum		ESCOR
Cortisol: Creatinine (Urine)^R		Up to 3 Days	Urine		EUCORCR
tT3^R		3 - 8 Days	Serum		ETT3
tT4		Same Day	Serum, Heparin plasma or EDTA plasma		ETT4
free T4 (Dialysis)		Up to 3 Days	Serum		EFT4D

INVESTIGATION OF THYROID FUNCTION

Total T3 (tT3) and total T4 (tT4)

- First line tests for **hyperthyroidism** e.g. when investigating thyroid hormone production by a suspected thyroid neoplasm.
- Can be affected by many other factors e.g. gestation, lactation, exercise, starvation, medications, EMS, PPID.

If tT3 is normal but tT4 is increased consider **free T4 (dialysis)** (may help determine if tT4 is increased for non thyroidal reasons).

Hypothyroidism

- Very rare in adult horses.
- Thyroid levels can become low in various disease states and with certain drugs.
- Congenital disorder in foals.
- Concurrent tT3 and tT4 is an appropriate first line test, but a TRH stimulation test is required for definitive diagnosis (different protocol to the one used for PPID). Please contact us for details.

^R= Referral Test (Non-discountable) †= Non Discountable

Endocrinology - Reproductive

Title	Additional Information	Turnaround	Sample Type	Price	Code
CRYPTORCHIDISM					
Anti Mullerian Hormone (AMH)^R		2 - 6 Days	Serum		EAMH
Oestrone Sulphate ('Rig')^R	≥3 years old. Not applicable in donkeys.	3 - 8 Days	Serum		OSR
Paired Testosterone^R	hCG stimulation.	Next Day	Serum		EDYTES
HCG STIMULATION TEST PROTOCOL 1. Basal blood sample 2. Inject I/V hCG 6000 IU/horse 3. Take a second blood sample 30 minutes to 2 hours later.					
PREGNANCY					
Oestrone Sulphate Pregnancy^R	>120 days.	3 - 8 Days	Serum		OSP
PMSG^R	45 - 95 days (chorionic gonadotrophin). Not applicable in donkeys.	Next Day	Serum		PMSG
Urinary Oestrogens^R	Quantitative Cuboni Test, 150 days – Term.	Next Day	Urine		EUOES
GRANULOSA CELL TUMOUR					
Anti Mullerian Hormone (AMH)^R		2 - 6 Days	Serum		EAMH
Inhibin^R	Serum must be separated into a plain tube and chilled prior to sending. Declaration of Health required with submission. Please contact us for form to complete and send with sample.	2 - 4 Weeks	Serum		EINHI
GCT Panel^R	Progesterone, Testosterone, AMH.	Up to 6 Days	Serum		EGCT
MISCELLANEOUS					
Progesterone		Same Day	Serum		EPROG
Testosterone^R		Next Day	Serum		ETEST

^R= Referral Test (Non-discountable)

All prices listed are exclusive of VAT.

Infectious Diseases

SEROLOGY

Title	Additional Information	Turnaround	Sample Type	Price	Code
Anaplasma phagocytophilum Antibody & Borrelia burgdorferi Antibody (Lyme Disease)	4DX+ Test (IDEXX SNAP).	Same Day	S or HP		EAALYM
Borrelia burgdorferi (Lyme disease) IFA		3 Days	S or HP		EBBBI
Anaplasma phagocytophilum IFA		3 Days	Serum		APIFA
EHV 1 and 4 (Equine Herpesvirus) Antibody CFT^R		Up to 5 Days	Serum or CSF		EHV
Influenza A Antibody^R		Up to 5 Days	Serum		INFLU
Respiratory Antibody Panel[†]	EHV 1 and 4 ^R , Influenza A ^R , Strangles	Up to 8 Days	Serum		ERESP
EIA -Equine Infectious Anaemia Antibody ELISA (NOT for export certification or horses with clinical signs of EIA)		Up to **3 Days	Serum		EIA
EVA - Viral Arteritis Antibody ELISA (NOT for export certification)		Up to **3 Days	Serum		EVA
EVA VN - for stallions, teasers and known seropositives (NOT for export certification)^R		Up to 6 Days	Serum		EVAVN
EIA and EVA Antibody ELISA (NOT for export certification)		Up to **3 Days	Serum		EVEIA
For EVA serology testing for export, or when there is a suspicion of EVA, samples must be submitted directly to the APHA					
Lawsonia intracellularis Antibody IPMA^R		4 - 6 Days	Serum		ELAW
Leptospira Antibody MAT^R		Up to 10 Days	S or HP or EP		ELEPT
Liver Fluke Antibody ELISA^R		3 - 7 Days	Serum		FLKAB
Piroplasmosis (Babesia caballi and Theileria equi) Antibody ELISA^R (NOT for export certification)		Up to 8 Days	Serum		EPIRO
Rhodococcus equi (VapA) Antibody ELISA^R		6 Days	Serum		ERHOD
Strangles Antibody A&C Combined ELISA		Same Day	Serum		STRNG
Strangles Antibody A&C Combined ELISA (5 samples or over)		Same Day	Serum		STRNG5
Paired Strangles Antibody A&C Combined ELISA^{†*}		Same Day	Serum		STRNGP
*STRNGP[†] may be requested further to a strangles result that indicates another sample taken at a later date might be useful for comparison. Please select code STRNGP for the later sample and state clearly on the submission form that this is the latter sample to ensure that results are compared and reported appropriately. N.B. Strangles samples will be stored for a maximum of 5 weeks.					
Tapeworm Antibody ELISA^R		2 - 6 Days	Serum		TAPE
Small Redworm Antibody ELISA (Cyathostome)^R		2 - 6 Days	Serum		ERED

****EVA and EIA are run daily during the breeding season (1st January -31st July)**

Tapeworm serology:

It's advised that routine tapeworm serology is performed in the autumn, when burdens are thought to be highest. The duration of antibody persistence is variable and it's suggested that the test is not performed within four months of treatment (in some cases titres will remain high for longer than this). It's possible that antibody titres may not reflect the level of parasite burden in immunocompromised patient e.g. those with PPID.

Small redworm serology:

This result covers all cyathostomin life stages and it is not specific to encysted larvae. It is therefore only likely to add useful information in cases with low faecal egg counts.

It is advised that the test is used in cases considered to be at a moderate risk of a cyathostomin burden. Cases considered to be at a high risk should receive at least annual larvicidal therapy. Where a reliable risk assessment can be performed, the risk is deemed low and faecal egg counts in the group are consistently low, then it is more appropriate to advise neither treating nor testing (BEVA 2024). Guidance on how to perform a risk assessment can be found at www.canterforhorses.org.uk/prescribers.

Reference: Rendle D, Hughes K, Bowen M, Bull K, Cameron I, Furtado T, et al. BEVA primary care clinical guidelines: Equine parasite control. Equine Vet J. 2024; 56(3): 392–423.

In cases with hypoalbuminaemia false negatives could potentially occur. Furthermore, it's possible that antibody titres may not reflect the level of parasite burden in immunocompromised patient e.g. those with PPID. It is recommended that this test is not used within four months of larvicidal treatment.

^R= Referral Test (Non-discountable) [†]= Non Discountable

Reproductive Infectious Disease & BEVA Approved Tests

Certifiable Mare Samples:

- **Mini Tip** Clitoral swabs. Fossa and sinuses must be sampled. You may use the same swab for both sites. **
- Endometrial swabs. Non-calcium alginate swab in charcoal transport medium.
- Swabs should be clearly labelled with site, time and date of sampling.

Certifiable Stallion Samples:

- 3 separate swabs taken from the urethra, urethral fossa and penile sheath. Any swab tip is acceptable, but must be in charcoal transport medium if culture is requested. Greater than 3 swabs received may incur additional charge.
- Pre-ejaculatory fluid may also be certified if submitted on a 4th swab.
- Each swab should be clearly labelled with site, time and date of sampling.

ALL SWABS FOR CEM CULTURE MUST BE SUBMITTED IN CHARCOAL TRANSPORT MEDIUM WITHIN THEIR EXPIRY DATE WITHIN 48 HOURS OF SAMPLING.

(This does not apply to PCR requests). PLEASE ENSURE SWABS ARE LABELLED WITH DATE AND TIME OF SAMPLING**.

**** Please record that both clitoral sinus and fossa have been sampled when this is the case. Samples labelled "clitoral" only will be queried prior to processing, which may result in a delay in reporting.**

Calcium alginate and E-swabs are NOT suitable for CEMO PCR testing (PCR or culture) as they may cause inhibition.

*These guidelines are correct at time of printing, but may be subject to change.
Please refer to the HBLB codes of practice for more information: www.hblb.org.uk*

Title	Additional Information	Turnaround	Sample Type	Price	Code
CEMO culture (aerobic and microaerophilic) - Mare		Minimum 7 Days	Clitoral (Fossa and Sinus) or Endometrial Swab		CEMO
CEMO culture (aerobic and microaerophilic) and smear cytology - Mare		Minimum 7 Days	Endometrial Swab and Smear		CEMCY
CEMO culture (aerobic and microaerophilic)- Stallion up to 4 swabs		Minimum 7 Days	3 - 4 Swabs (Penile sheath, urethra, urethral fossa +/- pre-ejaculatory fluid)		CEMOS
CEMO culture & EVA (ELISA) - Mare		Minimum 7 Days CEMO, and up to **3 Days for EVA	Clitoral Swab (Fossa and Sinus) and Serum		CEMEV
CEMO culture, EVA and EIA (ELISA) - Mare		Minimum 7 Days CEMO, and up to **3 Days for EVA/EIA	Clitoral Swab (Fossa and Sinus) and Serum		CEMVA
Cervical or Endometrial Smear Cytology	Cytological Examination (Differential).	Same Day	Air Dried Smear**		CERVSM
Cervical or Endometrial Smear Cytology and aerobic culture (NOT CEMO specific culture)	Cytological Examination (Differential) and Culture.	Same Day Cytology, 1 - 2 Days Culture	Air Dried Smear plus Swab for culture		EVCULCY
Uterine Lavage Cytology	Cytological Examination (Differential)	Same Day	Uterine Lavage (or Air Dried Smear)		EUTERIN
Uterine Lavage Cytology and aerobic culture (NOT CEMO specific culture)	Cytological Examination (Differential) and Culture	Same Day Cytology, 1 - 2 Days Culture	Uterine Lavage (or Air Dried Smear) plus Swab for culture		EUTMIC
Aerobic culture (NOT CEMO specific culture)		1 - 2 Days	Endometrial Swab		EACUL
CEMO (TKP) PCR - Stallion		Same Day	3 - 4 Swabs (Penile sheath, urethra, urethral fossa +/- pre-ejaculatory fluid)		PCCEMS
CEMO (TKP) PCR - Mare		Same Day	Clitoral (Fossa and Sinus) or Endometrial Swab		PCCEMM
CEMO (TKP) PCR and EVA (ELISA) - Mare		Same Day CEMO PCR, up to **3 Days for EVA ELISA	Clitoral Swab (Fossa and Sinus), and Serum		PCCEMEV
CEMO (TKP) PCR, EVA and EIA (ELISA) - Mare		Same Day CEMO PCR, up to **3 Days for EVA/EIA ELISA	Clitoral Swab (Fossa and Sinus), and Serum		PCEVAEI
CEMO (TKP) PCR and smear microscopy - Mare		Same Day	Endometrial Swab and Smear		PCCEMCY
Klebsiella capsule typing (PCR: K1,K2,K5)†		Up to 3 Days	K.pneumoniae isolate		PCKLEB

**** Please note that the preferred sample for Endometrial Cytology is submission of air dried smears rather than swabs. Although slides can be prepared from submitted swabs, the cell preservation is typically poor, which often results in a non-diagnostic sample.**

^R= Referral Test (Non-discountable) **EVA and EIA are run daily during the breeding season (1st January -31st July)

PCR Please see page 19 for BEVA approved CEMO PCR's

"Sample Type" column lists suitable samples, but your sample of choice might depend on the clinical situation. If you require advice as to which sample to submit, **please contact the lab 01626 355655.**

Swabs for PCR tests listed on this page should be sent as plain/moistened or E-swab rather than in agar/charcoal.

PCR Tests marked with ⚡ can be fast tracked. Please contact the laboratory before sending in order to get a next working day turnaround. This service will incur an additional charge of per request. **Please use code EPCFAST in addition to the test code.†**

Please note that samples from multiple sites will be tested and charged for separately. Samples from multiple sites can be pooled but must be pooled prior to submission to the laboratory.

Title	Additional Information	Turnaround	Sample Type	Price	Code
Equine Hepacivirus & Parvovirus PCR [†]		4 Days	Whole EDTA/Serum/Fresh Liver		EHPP
Respiratory Panel PCR (Strep equi, Strep zooepidemicus, EHV-1 and EHV-4, Influenza, Rhinovirus A & B)		Same Day	NP Swab/Tracheal Wash/BAL/Guttural Pouch Wash/CSF/Fresh Tissue/Pus		EPCRESP
Anaplasma phagocytophilum PCR⚡		5 Days	Whole EDTA		EPANP
Clostridium difficile PCR ^R		2 - 3 Days	Faeces		EPCCLOS
Coronavirus PCR ^R		2 - 4 Days	Freshly Chilled Faeces		EPCCOR
Dermatophyte PCR & Culture ⚡		Up to 3 Days (PCR) Up to 14 Days (Culture)	Skin Scrapes/Hair Plucks.		EPCDER
Dermatophilus congolensis PCR⚡		Up to 3 Days	Scab/crust		EPCDCON
EHV PCR 1 and 4 (Equine Herpesvirus)		Same Day	NP Swab/Tracheal Wash/BAL/CSF/Fresh Tissue/30 - 40ml EDTA Blood (for Buffy Coat)		PCEHV14
EHV PCR 2 and 5 (Equine Herpesvirus) ^R For Investigation of suspected Lymphoproliferative Disease or EMPF		4 Days	LN aspirates/BM aspirates/EDTA Blood EMPF: BAL/Fresh Lung Biopsy		PCEHV25
EPV-2 PCR ^R (Equine Papillomavirus 2)		2 - 3 Days	Penile Biopsy Fresh/Fixed		PCEPV
Influenza PCR		Same Day	NP Swab		PCINF
Lawsonia intracellularis PCR		Same Day	Faeces		PCLAW
Leptospira species PCR⚡		Up to 5 Days	Foetal tissues/Placenta (fresh)/EDTA/Urine		EPCLEP
Rhodococcus equi PCR (VapA)		Same Day	Pus/NP Swab/Tracheal Wash		PCRHOD
Salmonella PCR species		3 Days	Faeces (includes an enrichment stage to maximise sensitivity)		EPCSAL
Strangles PCR (Streptococcus equi ssp equi)		Same Day	NP Swab/Tracheal Wash/BAL/Guttural Pouch Wash/Fresh Tissue/Pus pooled		PCRST
Strangles PCR (Streptococcus equi ssp equi) & Culture		Same Day PCR, Min 2 Days Culture	NP Swab/Tracheal Wash/BAL/Guttural Pouch Wash/Fresh Tissue/Pus/Transport Swab x2		PCRSTC
Strangles PCR (Streptococcus equi ssp equi AND Streptococcus equi ssp zooepidemicus)		Same Day	NP Swab/Tracheal Wash/BAL/Guttural Pouch Wash/Fresh Tissue/Pus		PCSTEZ
MRS Identification via MecA PCR⚡		Up to 3 Days	Swab/Fluid/Culture/Tissue		EMRSAP
Add Microbiological CULTURE to any PCR or Cytology		Minimum 2 Days	1x Transport Swab/Tissue/Fluid/Pus/Wash		EVCUL2
Add Urine CULTURE to any PCR		Minimum 1 Day	Urine or Transport Swab		EUCUL2

STRANGLES

When assessing horses for infection with *Streptococcus equi* ssp *equi* (strangles) we recommend that samples from **both of the guttural pouches are obtained, alongside a concurrent nasopharyngeal swab.** This recommendation is in line with the HBLB guidelines.

It takes into account that at different stages of infection the bacteria may be present in the guttural pouches but not the nasopharynx, or vice versa.

We recommend that nasopharyngeal swabs for PCR be submitted dry or moistened.

If detailed testing requirements are not specified, all submitted samples will be processed and charged individually for the tests requested.

If both culture and PCR tests are required please submit swabs in duplicate; one for PCR testing and one for culture. Alternatively please use a liquid Amies (E-swab) which are appropriate for both culture and PCR testing.

^R= Referral Test [†] = Non-Discountable Tests ⚡ = PCR Fast Track Available

Genetic Testing

Sample type: **1ml EDTA Whole Blood** or **Approximately 30 Hair Roots from Mane or Tail**, this applies to all Genetic tests.

Title	Turnaround	Price	Code
Hoof Wall Separation Disease (HWSD) (Connemara Pony) ^R	Up to 8 Days		EHWSD
Dwarfism (Miniature Horse, Shetland Pony) ^R	Up to 18 Days		EDWF
Equine Malignant Hyperthermia (EMH) (All breeds) ^R	Up to 18 Days		EEMH
Foal Immunodeficiency Syndrome (FIS) (Dales Pony, Fell Pony) ^R	Up to 18 Days		EFIS
Polysaccharide Storage Myopathy Type 1 (PSSM) ^R	Up to 2 Weeks		EPSSM
Warmblood Fragile Foal Syndrome (WFFS) ^R	Up to 3 Weeks		EWFFS
Cerebellar Abiotropy (CA) (Arabian Horse) ^R	Up to 8 Days		EGCA
Glycogen Branching Enzyme Deficiency (GBED) (Appaloosa) ^R	Up to 8 Days		EGBED
Hereditary Equine Regional Dermal Asthenia (HERDA) (Appaloosa) ^R	Up to 8 Days		HERDA
Hereditary Myotonia (New Forest Pony) ^R	Up to 18 Days		EGHM
Hydrocephalus (Friesian Horse) ^R	Up to 18 Days		EGHC
Hyperkalemic Periodic Paralysis (HYPP) (Appaloosa) ^R	Up to 8 Days		EHYPP
Idiopathic Hypocalcaemia (Thoroughbred) ^R	Up to 18 Days		EGIH
Lavender Foal Syndrome (LFS) (Arabian Horse) ^R	Up to 8 Days		ELFS
Severe Combined Immunodeficiency (SCID) (Arabian Horse) ^R	Up to 18 Days		ESCID

HEREDITARY DISEASE COMBINATION PACKAGES

4-Panel Genetic Test Package , (GBED, HERDA, HYPP, EMH) ^R	Up to 8 Days		EG4P
Arabian Horse Genetic Package (CA, LFS, SCID) ^R	Up to 18 Days		EGARAB
Appaloosa Genetic Package (GBED, HERDA, HYPP, PSSM) ^R	Up to 8 Days		EGAPP
Warmblood Genetic Package (PSSM, WFFS) ^R	Up to 8 Days		EGWARM

^R= Referral Test (Non-discountable)

Turnaround times are approximate and refer to 'working' days from sample receipt.

Environmental Testing

Proactive Infection Control Starts Here

Environmental Testing Made Simple for Veterinary Practices

Our comprehensive environment testing service will promote a cleaner, safer clinical environment—designed to support your infection control strategy and help you meet the requirements of the RCVS Practice Standards Scheme.

Whether you're routinely monitoring cleanliness or investigating a suspected hospital-acquired infection, our testing solution gives you the insights you need—quickly and reliably.

Why Choose Our Environmental Testing Service?



Targeted Testing for Bacteria

Every swab is analysed for **bacterial load**, including screening for *Salmonella spp* and other **pathogens** of concern.



Support Your Compliance & Best Practice Protocols

Use environmental testing to:

- Evaluate the effectiveness of your cleaning protocols.
- Investigate potential infection outbreaks.
- Strengthen your infection control procedures.

What's included?



Ready-to-Use Swab Packs

- Packs of 10 swabs, specially designed for environmental testing.
- Easy-to-follow instructions for proper sample collection.
- Guidance on key areas to sample within your practice.



Expert Analysis & Reporting

- Detailed lab report including bacterial load and potentially pathogenic organisms identified.
- Clear and comprehensive results to inform in planning next steps.



Veterinary Advisor Support

- Access our team of equine medicine advisors at any stage—from planning your sampling strategy to interpreting your results.

Title	Turnaround	Sample Type	Price	Code
HYGIENE SCREEN				
Hygiene Screen/Infection Control Investigation (First Swab)	Up to 7 Days	Environmental swabs and submission form (request from laboratory)		EHYG
Hygiene Screen/Infection Control Investigation (Additional Swab)				EHYG2

Microbiology, Dermatology & Mycology

Please label samples with site information, date and time

Title	Additional Information	Turnaround	Sample Type	Price	Code
Microbiological Culture	Aerobic and anaerobic cultures including organism identification and sensitivity testing as appropriate.	Minimum 2 Days	1x Transport Swab/ Tissue/Fluid/Pus/Wash		EVCUL
MRS Identification	Selective culture.	2 - 3 Days	Transport Swab		EMRSA
MRS Identification via MecA PCR ◊		Up to 3 Days	Swab/Fluid/Culture/ Tissue		EMRSAP
Streptococcus equi spp equi and Streptococcus equi spp zooepidemicus culture		Minimum 2 Days	Transport Swab/Wash		STCUL
Bacterial Isolate Identification	Organism identification via MALDI-ToF mass spectrometry.	Next Day	Fresh, pure bacterial sub-culture on solid media (agar plate)		MALDI
Urine Culture	Aerobic culture including organism identification and sensitivity as necessary.	Minimum 1 Day	Urine or Transport Swab		EUCUL
Fungal Culture		Minimum 5 Days	Transport Swab/ Tissue/Fluid		ETFUN
Dermatophyte Culture		Up to 14 Days	Hair Pluckings/Skin/ Hoof Scrapings		EFUNG
Dermatophyte PCR & Culture ◊		Up to 3 Days (PCR) Up to 14 Days (Culture)	Skin Scrapes/Hair Plucks.		EPCDER
Dermatophilus congolensis PCR ◊		Up to 3 Days	Scab/crust		EPCDCON
Microscopic Examination for Ectoparasites and Fungal Elements		Next Day	Skin Scrapings/Scab/ Hair Pluckings + Transport Swab for bacterial culture		ESKME
Microscopic Examination & Dermatophyte Culture	Ectoparasites, fungal elements, yeast plus selective culture.	Microscopy: Next Day, Culture: Up to 14 Days	Skin Scrapings/Hair Pluckings from edge of lesion.		ESKFUN
Comprehensive Skin Package	Microscopic Examination, Dermatophilus PCR, Dermatophyte and Microbiological Culture	Minimum 1 Day. Maximum 14 days	Skin Scrapings/Scab/ Hair Pluckings + Transport Swab for bacterial culture		ESKM2
Add Microbiological CULTURE to any PCR or Cytology		Minimum 2 Days	1x Transport Swab/ Tissue/Fluid/Pus/Wash		EVCUL2
Add Urine CULTURE to any PCR		Minimum 1 Day	Urine or Transport Swab		EUCUL2

PCR Tests marked with ◊ can be fast tracked. Please contact the laboratory before sending in order to get a next working day turnaround. This service will incur an additional charge of per request. **Please use code EPCFAST in addition to the test code.†**

Faecal Analysis

Faeces samples should be submitted in rigid containers such as 30ml or 60ml universal containers and not in gloves or bags.

An additional charge will be applied for inappropriately packaged samples. If you wish to order sample pots, please order via the supplies site: <https://milab.store.unleashedsoftware.com>

SALMONELLA

Culture of three to five separate faecal samples is recommended for the detection of Salmonella species. Samples can be pooled, but this will slightly increase the likelihood of a false negative result. **POOLED SAMPLES SHOULD BE POOLED PRIOR TO SUBMISSION, PLEASE ENSURE SAMPLE IS THOROUGHLY MIXED.** If multiple samples are received without specifying pooling is required, **SEPARATE CULTURES WILL BE RUN AND CHARGED ACCORDINGLY.**

Clostridial toxins can deteriorate quickly. For this reason samples submitted for *C.difficile* or *C.perfringens* toxin ELISAs should be sent chilled within 24h of collection and should arrive at the lab Tuesday-Friday.

Submission of a full 30ml or 60ml universal container, should ensure sufficient volume for the faecal tests listed on this page.

Title	Additional Information	Turnaround	Sample Type	Price	Code
Rotavirus & Cryptosporidium	Antigen.	Same Day	Faeces		ROCRY
Basic Faecal Analysis	Parasitology* (Modified Moredun) plus <i>Campylobacter</i> & <i>Salmonella</i> cultures.	Next Day for Parasitology, Minimum 2 Days for Cultures	Faeces		LFA
Faecal Panel Adult Horse	Parasitology*; <i>Salmonella</i> culture; <i>C. perfringens enterotoxin</i> (CPE), <i>C. difficile</i> toxins A/B combined.	Minimum 2 Days for Culture, Next Day for CPE & Parasitology, Same Day for <i>C. difficile</i> toxins	Faeces		FTAH
Faecal Panel Foal (for younger foals ≤ approximately 4 months)	Parasitology*; <i>Salmonella</i> and <i>Campylobacter</i> cultures; Rotavirus, <i>C. perfringens enterotoxin</i> (CPE), <i>Cryptosporidium</i> , <i>C. difficile</i> toxins A/B combined.	Minimum 2 Days for Culture, Next Day for CPE & Parasitology, Same Day for Rotavirus, <i>Cryptosporidium</i> & <i>C. difficile</i> toxins	Faeces		FTF
Faecal Panel Weanling (for older foals > approximately 4 months)†	Parasitology*; <i>Salmonella</i> and <i>Campylobacter</i> cultures; <i>C. perfringens enterotoxin</i> (CPE), <i>C. difficile</i> toxins A/B combined; Lawsonia PCR ^R .	Minimum 2 Days for Culture, Next Day for CPE & Parasitology, Same Day for <i>C. difficile</i> toxins, Next Day for Lawsonia PCR	Faeces		FTW
Coronavirus PCR - when requested with a faecal panel^R		2 - 4 Days	Freshly Chilled Faeces		EPCCOR2
Worm Egg Count* (modified Moredun method)	Individual parasitology with 30 epg sensitivity.	Next Day	Faeces		EPAR
<i>C. difficile</i> Toxins A/B combined		Same Day	Freshly Chilled Faeces		ECLDIF
<i>C. perfringens</i> Enterotoxins (CPE)		Next Day	Freshly Chilled Faeces		ECLOST
<i>Cryptosporidium</i> (modified ZN stain)		Next Day	Faeces		ECRYPT
Giardia Microscopy		Next Day	Faeces		EGIAR
Liver Fluke	Microscopy.	Next Day	Faeces		EFLUKE
Lungworm larvae (Baermann's Test)		Next Day	Faeces		ELUNG
Rotavirus	Antigen.	Same Day	Faeces		EROTA
<i>Salmonella</i> Culture	Enrichment culture.	Minimum 2 Days	Faeces		ESALM
<i>Salmonella</i> and <i>Campylobacter</i> Culture		Minimum 2 Days	Faeces		EVFCUL

*If there is a delay in warm weather then worm eggs may hatch leading to falsely negative counts. Avoid sending over weekend.

^R= Referral Test (Non-discountable)

Urine Analysis

GETTING THE MOST OUT OF URINALYSIS: SAMPLE CONSIDERATIONS

Culture: Samples collected aseptically via a catheter are much more likely to be representative. Cultures performed on free catch samples can be misleading, due to the presence of bacteria from the skin.

Cytology: Cells and casts can lyse within two hours in equine urine. Submission of some urine in EDTA, as well as stained sediment smears (made as soon as possible after urine collection) is recommended. Smears will only be examined if cytology code "EURIME" is requested, as basic microscopy on urine is routinely performed using an automated analyser. EDTA will help to delay the loss of cells and casts, but these can still be lost without the use of pre-transportation smears.

Dipstick analysis and both urine protein:creatinine ratios and urine GGT:creatinine ratios are best performed on plain urine.

Title	Additional Information	Turnaround	Sample Type	Price	Code
Full Urine Analysis WITH Culture	Microscopic examination, Dipstick, Protein:Creatinine Ratio, GGT:Creatinine Ratio, Specific Gravity, aerobic culture including organism identification and sensitivity testing as necessary.	Next Day - Minimum 1 Day for culture	Urine		EURINE
Full Urinalysis WITHOUT Culture		Same Day	Urine		EUBSE
Urine Biochemistry & Microscopy	Dipstick, specific gravity (no protein:creatinine ratio, no culture).	Same Day	Urine		EURA
Urine Biochemistry, Microscopy & Culture	Dipstick, specific gravity, sensitivities as necessary (no protein:creatinine ratio).	Next Day	Urine		EURAC
Urine Culture	Aerobic culture including organism identification and sensitivity as necessary.	Minimum 1 Day	Urine or Transport Swab		EUCUL
Add Urine CULTURE to any PCR		Minimum 1 Day	Urine or Transport Swab		EUCUL2
Urine Cytology	Please see page 26.	Same Day	Urine in EDTA + Air Dried Smear		EURIME
Cytology: Refrigeration and chilled transportation of urine samples may help to delay cytological deterioration, which can happen quickly (affecting factors such as cell counts and the presence of casts). Samples should ideally not be older than 24h old at the time of processing. When requesting urine cytology, EURIME , submission of unstained smears alongside the urine sample may be helpful. A urine sample in EDTA is also advised for cytology (but EDTA not suitable for other analyses).					
Urine Protein:Creatinine		Same Day	Urine (Plain)		EUPC
Top-Up Urine Protein:Creatinine	MiLab				EUPCT
GGT:Creatinine		Same Day	Urine		EUGC
Fractional electrolyte clearance ratios (Na, K)*		Same Day	Urine (Plain) + Serum		EFRNAK
Fractional electrolyte clearance ratios (Na, K, Cl, Phos, Ca, Mg)*		Same Day	Urine (Plain) + Serum		EFRAC
Fractional electrolyte clearance ratios (Na, K, Cl, Phos, Ca, Mg) plus urine analysis WITHOUT Culture*		Same Day	Urine (Plain) + Serum		EFRACUR

***It is important to sample blood and urine at approximately the same time for useful FE results**

^R= Referral Test (Non-discountable)

Cytology

Same Day Cytology

A same day as receipt service (excluding Saturdays) if requested before 11am.

URGCYT

Please note cytology turnaround times refer to weekdays only and exclude Saturdays and Bank Holidays

Title	Additional Information	Turnaround	Sample Type	Price	Code
Wash Cytology (eg BAL or TW)	Cytology	Same Day	Wash in EDTA		EWAS
BAL and Tracheal Wash Combined	Cytology	Same Day	Wash in EDTA		EWASTR
Bone Marrow Aspirate	Full haematology results run within 24 hours of collection of bone marrow required. Maximum of 6 slides. Additional slides charged per slide (per slide EADDS).	Up to 2 Days	Air Dried Smears		EBONME
Bone Marrow Aspirate & Haematology	Maximum of 6 smears. Additional smears charged per slide (per slide EADDS)	Up to 2 Days	EDTA blood + Ideally Fresh Blood Film + Air Dried Smears		EHAEM2
Comprehensive Bone Marrow Package (Cytology, Haematology and Histopathology)	NOTE - aspirate slides and fluid should be handled, packaged and kept strictly separate from the formalin biopsy pot so as to not artefactually alter the cytology submission. *Maximum of 6 smears. Additional smears charged per slide (per slide EADDS)	Up to 4 Days	Bone Marrow Core Biopsy in Formalin + Smear + Marrow fluid in EDTA + EDTA Blood + *Air Dried Smear		ECOMPON
Cerebrospinal Fluid	Cytology, Protein, RBCs and WBCs.	Same Day	CSF in EDTA		ECSANA
Fine Needle Aspirate	Up to 6 slides in total from up to 3 sites.	Same Day	Air Dried Smears		EFNAME
Fine Needle Aspirate	Up to 12 slides from up to 6 sites.	Same Day	Air Dried Smears		EFNA12
Fine Needle Aspirate	Up to 18 slides from up to 9 sites.	Same Day	Air Dried Smears		EFNA18
Peritoneal or Pleural Fluid	Cytology, Total Protein, RBCs and WBCs.	Same Day	Fluid in EDTA		EFANA
Synovial Fluid	Cytology, Total Protein, RBCs and WBCs.	Same Day	Fluid in EDTA		ESYANA
Urine Cytology		Same Day	Urine in EDTA + Air Dried Smear		EURIME
Corneal Cytology		Same Day	Air Dried Smears		EKCYTO

Cytology: Refrigeration and chilled transportation of urine samples may help to delay cytological deterioration, which can happen quickly (affecting factors such as cell counts and the presence of casts). Samples should ideally not be older than 24h old at the time of processing. When requesting urine cytology, **EURIME**, submission of unstained smears alongside the urine sample may be helpful. A urine sample in EDTA is also advised for cytology (but EDTA not suitable for other analyses).

Add Microbiological CULTURE to any PCR or Cytology	Aerobic and anaerobic cultures including organism identification and sensitivity testing as necessary.	Minimum 2 Days	1x Transport Swab/Tissue/ Fluid/Pus/Wash	EVCUL2
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For Endometrial or Uterine Cytology, please see Reproductive Infectious Diseases on page 19.

SENDING CYTOLOGY SLIDES AND HISTOPATHOLOGY POTS TOGETHER?

Please package and send cytology samples separately from histopathology samples as exposure to formalin fumes can severely damage the morphology of cells.

PLEASE DO NOT ADD FORMALIN TO ANY FLUIDS BEING SUBMITTED FOR CYTOLOGY.

HINTS AND TIPS

THINGS TO AVOID:

- Leaving the material in droplets on the slide.
- Applying excessive pressure when making a smear.
- Submitting skin scrapes and material with hair shafts for cytological examination.

THINGS TO DO:

- Spread the material evenly with a second slide (and submit both slides).
- Apply gentle pressure on the spreader slide when making a smear.
- Label slides clearly, making sure the label is on the same side of the slide as the material.
- Include relevant, brief clinical history.
- Keep cytology slides entirely separated from formalin pots.

Histopathology (carried out by the team at FINN Pathologists in Norfolk)

Title	Additional Information	Turnaround	Sample Type	Price	Code
Fast Track Histopathology† For URGENT SAMPLES requiring a report ASAP. Histology samples are processed at our sister laboratory. Fast track reports are available on the day after receipt at Axiom (excluding weekends and Bank Holidays), and excludes tissue that require further fixation or decalcification. Where a report cannot be provided the day after receipt, no additional charge will be made. PLEASE NOTE that not all types of tissue can be fast tracked (e.g. lymph nodes or CNS samples). Please call the laboratory for further information before submission.					
Histology - Up to 3 biopsies / sites		Up to 4 Days	Formalin Fixed Tissue		EHIST
Histology - Up to 4 biopsies / sites		Up to 4 Days	Formalin Fixed Tissue		EHIST4
Histology - Up to 5 biopsies / sites		Up to 4 Days	Formalin Fixed Tissue		EHIST5
Histology - Up to 6 biopsies / sites		Up to 4 Days	Formalin Fixed Tissue		EHIST6
Histology - Additional Tissues	Each additional biopsy/site/mass over 6.	Up to 4 Days	Formalin Fixed Tissue		EHISTX
Histopathology - Large/whole submitted specimens	Change description to - Samples larger than 8cm including multiple smaller pieces from the same sample, whole organs, GI tract resection, scar/mass resection, amputated limbs/bone (any sample needing chemical softening), eyes, reproductive tract (including submission of both testes). One is included; use ELHISTX for additional large/whole specimens and EHISTX for additional regular samples. For further information please call for advice.	Up to 5 Days *longer if extended fixation/chemical softening is required	Formalin Fixed Tissue		ELHIST
Large specimens - Additional Tissues	Additional large/whole specimens (only to be used in conjunction with ELHIST code).				ELHISTX
NEW - Enhanced Turnaround Times for Decalcified Tissues Mineralised and hard tissues (bone, teeth, nails etc.) have traditionally required extended processing time due to the need for chemical softening. Following recent process improvements, we have achieved the following: • Up to 47% reduction in turnaround time • Faster reporting across all commonly submitted sample types • Digit cases reduced from approximately 15 days to 10 days Helping you diagnose and treat sooner.					
Histopathology plus aerobic & anaerobic culture with fungal culture	Up to 3 biopsies. Used for the investigation of deep cutaneous/subcutaneous lesions where bacterial and/or fungal infection is suspected (e.g. granulomatous inflammation).	Up to 10 Days	Formalin Fixed Tissue + Fresh/Unfixed Tissue or Swab		EHISMCF
Skin Profile plus Histopathology†	Microscopic examination, bacterial culture, dermatophyte culture & histopathology. (Maximum of 3 slides, additional slides thereafter will be charged (ESK3).	Up to 14 Days	1 x Swab + Skin Scrapes and/or Hair Plucks + Formalin Fixed Skin Biopsies		ESKHIST

IMPORTANT: In order to obtain an accurate histological interpretation it is vital that a concise and relevant patient history is provided. We know that in a busy veterinary practice it can be difficult to find the time to fill out submission form details. However, more often than not, by providing the pathologist with this information, you will receive a more accurate and diagnostically useful report. **Importantly, the lack of a history can also delay the sending of histopathology results while the equine team attempts to gain more information from the practice.**

- Please complete all areas of the submission form, including signalment (species, breed, age, gender, colour) – this information can suggest the likelihood of certain conditions or disease processes
- Include a brief summary of the clinical history including description of the lesion, duration, response to treatment and type of biopsy (e.g. excisional vs incisional)
- Please do ask any specific questions you have about the case, for example, is there something you particularly suspect or want to rule out?

Digital images of lesions are increasingly being submitted along with samples and can often prove very helpful... as the saying goes: "A picture is worth a thousand words." If you have images of the lesion, please print us a copy or email them to: **admin@axiomvetlab.co.uk**

Immunohistochemistry is available, please contact the laboratory.

†= Non Discountable

All prices listed are exclusive of VAT.

Skin Allergy

MiPetAllergy

PAX® - Pet Allergy Xplorer Testing in conjunction with Nextmune

The PAX® -Pet Allergy Xplorer Test utilises the state of the art molecular allergology approach for detection on sensitisations. It is the first quantitative macroarray IgE test designed specifically for animals. Single allergen components as well as whole allergen extracts are used for determination of specific IgE. The molecular components are recombinant proteins that provide a higher level of standardisation than allergen extracts and enable a more precise identification of IgE sensitisations.

Advantages of PAX-Pet Allergy Xplorer:

- Increased sensitivity and specificity
- Improved reproducibility due to automated technology
- Identification of 'primary' sensitising allergens
- Better identification of cross reactions leading to improved treatment selection
- CCD blocking and 2 blocking efficiency detectors

Over 200 allergen extracts and molecular components are tested.

Atopic dermatitis is a diagnosis of exclusion. Environmental allergen specific IgE testing can guide management strategies, in particular immunotherapy.

It is important to test when animal is symptomatic, and has been for a minimum of two weeks.

Testing can follow two pathways:

Comprehensive testing of allergen specific IgE levels

OR

A two phase approach for environmental allergens with a screen followed by individual IgE results to positive allergen groups.

WHOLE EXTRACTS AVAILABLE FOR TESTING IN EQUINES

(a number of individual component results are given for each allergen in the final report as well as information on cross reactions).

Trees

Betula verrucosa (Birch)
Ligustrum vulgare (Privet)
Ulmus campestris (Elm)
Alnus glutinosa (Alder)
Corylus avellana (Hazel)
Platanus acerifolia (Sycamore/Plane)
Cupressus sempervirens (Cypress)
Fagus sylvatica (Beech)
Fraxinus excelsior (Ash)
Olea europaea (Olive)

Grasses

Cynodon dactylon (Bermuda)
Dactylis glomerata (Orchard/Cocksfoot)
Festuca pratensis (Meadow fescue)
Lolium perenne (Rye grass)
Phleum pratense (Timothy)
Secale cereale (Cultivated Ryegrass)
Poa pratensis (Kentucky blue)

Weeds

Ambrosia elatior (Ragweed)
Artemisia vulgaris (Mugwort)
Chenopodium album (Lambsquarter)
Plantago lanceolata (English plantain)
Rumex acetosella (Sheep sorrel)
Salsola kali (Russian thistle)
Urtica spp (Nettle)
Parietaria judaica (Pellitory)

Insects Venoms

Apis mellifera (Honey bee venom)
Dolichovespula spp (Long-headed wasp venom)
Polistes dominulus (Paper wasp venom)
Solenopsis richteri & Solenopsis invicta (Fire ant venom)
Vespa vulgaris (Common wasp venom)

Insects

Blattella (Cockroach)
Chrysops vittalus (Deer fly)
Aedes aegypti (Mosquito)
Culicoides obsoletus (Midge)
Stomoxys calcitrans (Stable fly)
Tabanus trimaculatus (Horse fly)

Mould and Yeasts

Malassezia
Cladosporium herbarum
Aspergillus fumigatus
Alternaria alternata

Danders & Epithelia

Canis familiaris (Dog)
Felis domesticus (Cat)
Bos domesticus (Cattle)
Cavia porcellus (Guinea pig)
Mus musculus (Mouse)
Oryctolagus cuniculus (Rabbit)

Mites

Dermatophagoides farinae
Dermatophagoides pteronyssinus
Acarus siro
Lepidoglyphus destructor
Tyrophagus putrescentiae
Glycophagus domesticus

Food

Cottonseed	Sunflower seed
Linseed	Barley
Lupine	Millet
Soy	Cultivated Rye
Wheat	Carrot
Oat	Peanut
Rice	Lentil
Pea	Sorghum
Corn	
Buckwheat	

Skin Allergy

Title	Additional Information	Turnaround	Sample Type	Price	Code
COMPREHENSIVE TESTING ONE STEP APPROACH†					
Allergy PAX Equine Comprehensive Environmental^{R†}	Over 100 allergen extracts and components tested.	5 Days	2ml Serum		EPAXE
Allergy PAX Equine Comprehensive Environmental and Food^{R†}	Over 200 allergen extracts and components tested.	5 Days	2ml Serum		EPAXEF
Allergy PAX Equine Comprehensive Food^{R†}	Over 100 allergen extracts and components tested.	5 Days	2ml Serum		EPAXF
TWO PHASE APPROACH†					
First request a screen then request expansions of panels on the positive results to give individual allergen IgE results.					
Allergy PHASE 1: PAX Equine Environmental screen^{R†}	Single Result for group.	5 Days	2ml Serum		EPAXSE
Allergy PHASE 1: PAX Equine Environmental and food screen^{R†}	Single Result for each group.	5 Days	2ml Serum		EPAXSEF
Allergy PHASE 1: PAX Equine Food screen^{R†}	Single Result for group.	5 Days	2ml Serum		EPAXSF
Allergy PHASE 2: PAX Equine Environmental screen expansion^{R†}	Over 100 allergen extracts and components tested.	5 Days			EPAXSE2
Allergy PHASE 2: PAX Equine Environmental and food screen expansions^{R†}	Over 200 allergen extracts and components tested.	5 Days			EPAXSEF2
Allergy PHASE 2: PAX Equine Food screen expansion^{R†}	Over 100 allergen extracts and components tested.	5 Days			EPAXSF2

Immunotherapy

ORDERING IMMUNOTHERAPY

Please supply a completed Immunotherapy Order Form. Please ensure that all allergens required are ticked on the order form for both initial and repeat orders. For an up-to-date version of the Immunotherapy Order Form please contact our Diagnostic Support team.

The address on the SIC is the address we must deliver to. We are unable to deliver to alternative addresses (e.g. other branches of your practice).

For all orders please ensure the product name is specified on the order form as well as the SIC.

In line with VMD regulations, we require a complete copy of your SIC (Special Import Certificate) before we can process your order. Please ensure that all relevant details on your immunotherapy order form match those on your VMD issued certificate.

To apply for an SIC go to <https://www.vmd.gov.uk/business/register/apply-for-a-special-import-certificate> and fill in the required fields including your RCVS Membership Number. Please ensure you select "Axiom Veterinary Laboratories Ltd" as the importer.

Title	Additional Information	Turnaround	Sample Type	Price	Code
SUBCUTANEOUS IMMUNOTHERAPY†					
Immunotherapy Injectable 1 - 8 Allergens (1 vial)		2 - 3 Weeks			IMT1
Immunotherapy Injectable 9 - 16 Allergens (2 vials)		2 - 3 Weeks			IMT2
Immunotherapy Injectable 17+ Allergens (3 vials)		2 - 3 Weeks			IMT3
ORAL IMMUNOTHERAPY†					
Immunotherapy Sublingual One Set (1 - 10 Allergens)		2 - 3 Weeks			DR12
Immunotherapy Sublingual Two Sets (11 - 20 Allergens)		2 - 3 Weeks			DR22
Postage additional					charge†

^R= Referral Test (Non-discountable) [†]= Non Discountable

All prices listed are exclusive of VAT.

Toxicology

We require a minimum of 20ml whole blood (10ml plasma) or 10 – 20ml urine for each panel. If insufficient sample is received, we may not be able to complete all the requested tests and the sensitivity of toxin/drug detection could be reduced.

Title	Additional Information	Turnaround	Sample Type	Price	Code
Pre-Purchase Screen^R	Commonly found substances including: acepromazine, detomidine, flunixin, fluphenazine, ketoprofen, meloxicam, mepivacaine, phenylbutazone and reserpine.	Up to 3 Weeks	Whole Heparin or Urine		ETXQPP
NSAID Panel^R	Non-steroidal drugs including: meloxicam, phenylbutazone and flunixin.	Up to 3 Weeks	Whole Heparin or Urine		ETXQNS
Tranquilliser Panel^R	Tranquillisers including: acepromazine, fluphenazine, reserpine and xylazine.	Up to 3 Weeks	Whole Heparin or Urine		ETXQTR
NSAID and Tranquilliser Panel Combined^R		Up to 3 Weeks	Whole Heparin or Urine		ETXNT
Glucocorticoid Panel^R	Glucocorticoids and metabolites including: aldosterone, betamethasone and dexamethasone.	Up to 3 Weeks	Whole Heparin or Urine		ETXQGC
Growth Promoters & Anabolic Steroids^R	Growth promoters and anabolic steroids including: clenbuterol, nandrolone, ractopamine and stanoxolol.	Up to 3 Weeks	Whole Heparin or Urine		ETXQGA

HYPOGLYGIN A TESTING (SYCAMORE MYOPATHY).

Please contact the laboratory to obtain a specific request form for these tests.

Title	Turnaround	Sample Type	Price	Code
Serum hypoglycin A & MCPA-carnitine^R	Up to 4 Days	Serum		EHGA
Serum hypoglycin A, MCPA-carnitine & acylcarnitine profile^R	Up to 4 Days	Serum & Whole Heparin		EHGAA
Serum hypoglycin A, MCPA-carnitine & urine organic acid profile^R	Up to 4 Days	Serum & Urine		EHGAU
Full atypical myopathy profile (HGA, MCPA-c, organic acids & acylcarnitine profiles)^R	Up to 4 Days	Serum, Whole Heparin & Urine		EHGAAU

Our range of testing options allows veterinary surgeons to vary the extent of testing depending on the individual situation, including any specific clinical concerns which may arise during pre-purchase examination.

The panels above contain more substances than is reasonable to list, so please call us if you wish to check whether or not a particular substance is included.

In addition to the testing described above, more extensive toxicological testing is available upon request. Please contact us to inquire if you wish to test for a substance that is not listed.

^R= Referral Test (Non-discountable)

MiLab Veterinary Diagnostics Range



FujiFilm NX600 Chemistry Analyser

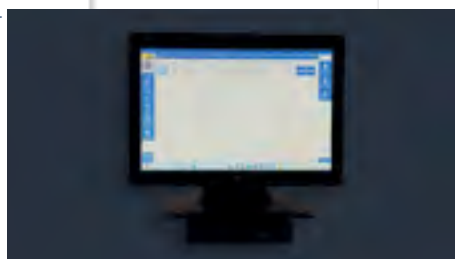
Fully automated processing, simple 3 step procedure: set sample, slides, press start

- Offers effective screening for pancreatitis at a fraction of the cost of a Snap Test, less than £5.00 per test
- Quick load one pack panels and individual slides
- Throughput 128 tests/hour combined, 120 tests/hour chemistry
- Measurement time 2 to 6 minutes chemistry, electrolytes 1 minute
- Sample type serum or plasma, sample volume chemistry 10µl/test, electrolytes 50µl/3 tests
- Automatic dilution function & small sample function
- No calibration required, QC QR code system
- Ability to run multiple samples simultaneously
- Dimensions 470 x 360 x 380mm, weight 28kg



MiLab Pro-Vet Centrifuge Range

- Pro-Vet HE Veterinary Haematocrit and Microtube Centrifuge
- Pro-Vet Veterinary Multi-Purpose Haematocrit and Microtube Centrifuge
- Pro-Vet Veterinary Equine Centrifuge



MiLab Software Station

Designed for efficiency, MiLab's intuitive workflows minimise training requirements and streamline daily operations, enabling your team to work smarter, not harder.

By unifying all diagnostic insights into one centralised system, MiLab reduces complexity, enhances accuracy, and builds clinical confidence - so your practice can focus on what matters most: patient care.



MiLab Mi5 Haematology Analysers

5 part differential Haematology Analyser

- Laser-based flow cytometry with forward-scattered light detection and volumetric impedance measuring method
- 27-parameter CBC with RBC & PLT histograms, as well as a 5-part WBC scattergram
- Sample volume 38µl
- Measurement time 1 minute 60 tests per hour
- Dimensions 280 x 216 x 336mm, weight 9.4kg



Seamaty® QT3 Chemistry Analyser

Innovative dual rotor system: Run 3 small panels in one operation

- Sample type Whole Blood, Serum or Plasma, sample volume 60 - 120ul
- Up to 27 parameters in a single rotor
- Throughput 5 tests per hour/9-12 minutes per rotor
- No calibration required, rotors are pre-calibrated during manufacture
- Low/No maintenance
- 7" colour touch screen
- Dimensions 190 x 220 x 280mm, weight 4kg

If you would like further information please contact our Sales Team on **01379 855 595**

www.milab.co.uk

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Terms & Conditions

Finn Pathologists & Axiom Veterinary Laboratories Terms & Conditions

Finn Pathologists is a trading name for Precision Histology International Ltd, a company incorporated in England & Wales under company number 2161963. Our registered office is at One Eyed Lane, Weybread, Diss, Norfolk, IP21 5TT. Our VAT number is 737 1452 35.

Axiom Veterinary Laboratories Ltd is a company incorporated in England and Wales under company number 02526935. Our registered office is at The Manor House, Brunel Road, Newton Abbot, Devon, TQ12 4PB. ("Axiom")

Both Precision Histology International Limited and Axiom Veterinary Laboratories Ltd are wholly owned subsidiaries of CVS (UK) Limited, a company registered in England and Wales under company number 03777473 and whose registered office address is CVS House, Owen Road, Diss, Norfolk, IP22 4ER

("Finn Pathologists" and "Axiom Labs", "We", "Our". "Us").

1. Interpretation

Definitions:

"Business Day" a day other than a Saturday, Sunday or public holiday in England, when banks in London are open for business.

"Charges" the charges payable by the Customer for the supply of the Services in accordance with clause 5.

"Commencement Date" has the meaning given in clause 2.2.

"Conditions" these terms and conditions as amended from time to time in accordance with clause 12.4.

"Contract" the contract between Finn Pathologists or Axiom and the Customer for the supply of Services in accordance with these Conditions.

"Control" shall be as defined in section 1124 of the Corporation Tax Act 2010, and the expression change of control shall be construed accordingly.

"Customer" the person or firm who purchases Services from Us.

"Customer Default" has the meaning set out in clause 4.2.

"Order" the Customer's order for Services in the Customer's completed submission form, by email, online, over the phone or the Customer's written acceptance of a quotation by Us.

"Privacy Policy" the privacy policy as made available on Our websites from time to time.

"Services" the laboratory, pathology and diagnostic testing services supplied by Us to the Customer

"Turnaround Times" the approximate turnaround times for the Services provided by Us.

1. These Terms

- 1.1 A reference to a statute or statutory provision is a reference to it as amended or reenacted. A reference to a statute or statutory provision includes all subordinate legislation made under that statute or statutory provision.
- 1.2 Any words following the terms including, **include, in particular, for example** or any similar expression, shall be construed as illustrative and shall not limit the sense of the words, description, definition, phrase or term preceding those terms.
- 1.3 A reference to **writing** or **written** includes email.

2. Basis of contract

- 2.1 The Order constitutes an offer by the Customer to purchase Services in accordance with these Conditions.
- 2.2 The Order shall only be deemed to be accepted when We issue a written acceptance of the Order or commence the carrying out of the Services at which point and on which date the Contract shall come into existence (**"Commencement Date"**).
- 2.3 These Conditions apply to the Contract to the exclusion of any other terms that the Customer seeks to impose or incorporate, or which are implied by trade, custom, practice or course of dealing.
- 2.4 Any quotation given by Us shall not constitute an offer and such quotation shall only be valid for a period of 20 Business Days from its date of issue.

3. Supply of Services

- 3.1 We shall use all reasonable endeavours to meet any Turnaround Times We have provided in the price lists or to the Customer but any such dates shall be estimates only and an approximation. Time shall not be of the essence for performance of the Services.
- 3.2 We reserve the right to amend the Services if necessary to comply with any applicable law or regulatory requirement.
- 3.3 The Customer acknowledges that it shall be liable for costs incurred by Us in the event of any request to vary or suspend the Services or a request for any additional Services. Submissions that are cancelled 24 hours after receipt will be charged at 50%, excluding test marked as 'Referral', these will be charged at 100% of any tests that are in process. The full price will be charged for any services that have been provided through to completion with a report having already been sent before receiving the cancellation request.
- 3.4 We warrant to the Customer that the Services will be provided using reasonable care and skill.
- 3.5 Unless otherwise agreed with us in writing, all samples received by Us for Routine Diagnostic Testing Services shall become the property of Finn Pathologists and/or Axiom at the point of acceptance of delivery or collection of the sample by Us.

Any residual material once the Services have been completed may be retained, stored and used for diagnostic laboratory research and development, clinical audit or subsequent diagnostic testing. Any data or results, including any and all intellectual property rights, arising from such use shall belong to its entirety to Us.

4. Customer's obligations

- 4.1 The Customer shall:
 - 4.1.1 ensure that the terms of the Order and any information it provides to Us relating to the samples sent for testing are complete and accurate;
 - 4.1.2 co-operate with Us in all matters relating to the Services and provide Us with such information as We may reasonably require in order to supply the Services, and ensure that such information is complete and accurate in all material respects.
- 4.2 If Our performance of any of its obligations under the Contract is prevented or delayed by any act or omission by the Customer or failure by the Customer to perform any relevant obligation ("Customer Default"):
 - 4.2.1 Without limiting or affecting any other right or remedy available to it, We shall have the right to suspend performance of the Services until the Customer remedies the Customer Default, and to rely on the Customer Default to relieve it from the performance of any of its obligations in each case to the extent the Customer Default prevents or delays Our performance of any of its obligations;
 - 4.2.2 We shall not be liable for any costs or losses sustained or incurred by the Customer arising directly or indirectly from Our failure or delay to perform any of Our obligations as set out in this clause 4.2; and
 - 4.2.3 the Customer shall reimburse Us on written demand for any costs or losses sustained or incurred by Us arising directly or indirectly from the Customer Default.

5. Charges and payment

- 5.1 The Charges for the Services shall be calculated in accordance with Our then price lists.
- 5.2 We may update or alter the price lists, catalogues, sales literature or other documentation relating to the Services (in whatever form and on whatever media) at any time without prior notice to the Customer. Customers should therefore ensure they check the most up to date price list available prior to placing any Order. Any typing, clerical or other error or omission in any catalogue, sales literature, price list, dispatch note, invoice or other documentation or any information issued by Us shall be subject to correction without liability.
- 5.3 Unless the Customer has paid for the Services at the point at which their Order is submitted, We shall invoice the Customer on at the end of the month that the submission was received.
- 5.4 The Customer shall pay each invoice submitted by Us:
 - 5.4.1 within 30 days of the date of the invoice or in accordance with any credit terms agreed by Us and confirmed in writing to the Customer; and
 - 5.4.2 in full and in cleared funds to a bank account nominated in writing by Us. Time for payment shall be of the essence of the Contract.
- 5.5 All amounts payable by the Customer under the Contract are exclusive of amounts in respect of value added tax chargeable from time to time (**"VAT"**). Where any taxable supply for VAT purposes is made under the Contract by Us to the Customer, the Customer shall, on receipt of a valid VAT invoice from Us, pay such additional amounts in respect of VAT as are chargeable on the supply of the Services at the same time as payment is due for the supply of the Services.
- 5.6 If the Customer fails to make a payment under the Contract by the due date, then, without limiting Our remedies under clause 9, the Customer shall pay interest on the overdue sum from the due date until payment of the overdue sum, whether before or after judgment. Interest under this clause 5.6 will accrue each day at 4% a year above the Bank of England's base rate from time to time.
- 5.7 All amounts due under the Contract shall be paid in full without any set-off, counterclaim, deduction or withholding (other than any deduction or withholding of tax as required by law).
- 5.8 In the event that we issue a final demand in respect of overdue invoice(s), an administration charge of £30 will be incurred on the invoice for the following month.
- 5.9 Any discounts are only eligible providing payment is received within 30 days of invoice.
 - 5.9.1 Samples received from pets belonging to clinicians and practice staff will be charged at 70% of the list price (only for tests that are eligible for discount).
- 5.10 For clients outside of the United Kingdom, Incoterms for receipt of laboratory submissions are DDP, Incoterms for delivery of material sent from the laboratory (e.g. materials for making submissions, immunotherapy) are DAP.
- 5.11 Samples received that have not been packaged appropriately or in a safe manner will incur a Safe Handling Charge of £26.50.
- 5.12 In the event that we are required to redirect any sample or diagnostic material to a destination that is not our own company, such activities may be subject to a shipping and handling charge. The Customer will be advised where this is applicable.

6. Data protection and data processing

- 6.1 We shall process the Customer's personal data only in accordance with Our Privacy Policy and the Customer's instructions from time to time and at all times in compliance with all applicable laws, enactments, GDPR regulations, orders, standards and other similar instruments.
- 6.2 We may authorise a third party (subcontractor) to process the personal data provided that the subcontractor's contract:
- 6.2.1 is on terms which are substantially the same as those set out in the Contract; and
 - 6.2.2 terminates automatically on termination of the Contract for any reason.
- 6.3 We warrant that, having regard to the state of technological development and the costs of implementing any measures, We will take appropriate technical and organisational measures against the unauthorised or unlawful processing of personal data and against the accidental loss or destruction of, or damage to, personal data.

7. Limitation of liability

- 7.1 Nothing in the Contract shall limit or exclude Our liability for:
- 7.1.1 death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors;
 - 7.1.2 fraud or fraudulent misrepresentation; or
 - 7.1.3 breach of the terms implied by section 2 of the Supply of Goods and Services Act 1982 (title and quiet possession) or any other liability which cannot be limited or excluded by applicable law.
- 7.2 Subject to clause 7.1, We shall not be liable to the Customer, whether in contract, tort (including negligence), for breach of statutory duty, or otherwise, arising under or in connection with the Contract for:
- 7.2.1 loss of profits;
 - 7.2.2 loss of sales or business;
 - 7.2.3 loss of agreements or contracts;
 - 7.2.4 loss of anticipated savings;
 - 7.2.5 loss of use or corruption of software, data or information;
 - 7.2.6 loss of or damage to goodwill; and
 - 7.2.7 any indirect or consequential loss.
- 7.3 Subject to clause 7.1, Our total liability to the Customer, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, arising under or in connection with the Contract shall be limited to the total Charges paid under the Contract.
- 7.4 The terms implied by sections 3 to 5 of the Supply of Goods and Services Act 1982 are, to the fullest extent permitted by law, excluded from the Contract.
- 7.5 This clause 7 shall survive termination of the Contract.

8. Termination

- 8.1 We may terminate the Contract with immediate effect by giving written notice to the Customer if:
- 8.1.1 the Customer commits a material breach (other than one in respect of payment pursuant to clause 8.1.5 below) of any term of the Contract and (if such a breach is remediable) fails to remedy that breach within 30 days of the Customer being notified in writing to do so;
 - 8.1.2 the Customer takes any step or action in connection with its entering administration, provisional liquidation or any composition or arrangement with its creditors (other than in relation to a solvent restructuring), being wound up (whether voluntarily or by order of the court, unless for the purpose of a solvent restructuring), having a receiver appointed to any of its assets or ceasing to carry on business or, if the step or action is taken in another jurisdiction, in connection with any analogous procedure in the relevant jurisdiction;
 - 8.1.3 the Customer suspends, or threatens to suspend, or ceases or threatens to cease to carry on all or a substantial part of its business;
 - 8.1.4 the Customer's financial position deteriorates to such an extent that in Our opinion the Customer's capability to adequately fulfil its obligations under the Contract has been placed in jeopardy.
 - 8.1.5 the Customer fails to pay any amount due under the Contract on the due date for payment;
 - 8.1.6 there is a change of control of the Customer;
 - 8.1.7 We are unable to fulfil or carry out the Services at that point in time; or
 - 8.1.8 The Customer displays any behaviour towards Our staff which is abusive, violent, threatening, intimidating, malicious, sexual or deemed otherwise unacceptable by Us.
- 8.2 Without affecting any other right or remedy available to Us, We may suspend the supply of Services under the Contract or any other contract between the Customer and Us if the Customer fails to pay any amount due under the Contract on the due date for payment, the Customer becomes subject to any of the events listed in clause 8.1.2 to clause 8.1.4, or We reasonably believe that the Customer is about to become subject to any of them.

9. Consequences of termination

- 9.1 Termination of the Contract shall not affect any rights, remedies, obligations or liabilities of the parties that have accrued up to the date of termination, including the right to claim damages in respect of any breach of the Contract which existed at or before the date of termination.
- 9.2 Any provision of the Contract that expressly or by implication is intended to come into or continue in force on or after termination of the Contract shall remain in full force and effect.

10. Contracting Party

- 10.1 The entity that you shall be contracting shall depend on the Services requested and shall be detailed on the invoice provided to the Customer. This shall either be Finn Pathologists or Axiom as defined at the top of these terms and conditions.

11. Complaints

- 11.1 Should the Services provided fail to meet the Customer's expectations, they should contact Finn Pathologists via email at email@finnpathologists.com or by phone on 01379 854180 or Axiom via email at admin@axiomvetlab.co.uk or by phone on 01626 355655.
- 11.2 In doing so the Customer should provide all relevant details and allow for an acceptable period for Us to try and resolve your complaint.

12. General

- 12.1 **Force majeure.** Neither party shall be in breach of the Contract nor liable for delay in performing, or failure to perform, any of its obligations under the Contract if such delay or failure result from events, circumstances or causes beyond its reasonable control.

12.2 Assignment and other dealings.

- 12.2.1 We may at any time assign, mortgage, charge, subcontract, delegate, declare a trust over or deal in any other manner with any or all of its rights and obligations under the Contract.
- 12.2.2 The Customer shall not assign, transfer, mortgage, charge, subcontract, declare a trust over or deal in any other manner with any of its rights and obligations under the Contract.

12.3 Entire agreement.

- 12.3.1 The Contract constitutes the entire agreement between the parties and supersedes and extinguishes all previous agreements, promises, assurances, warranties, representations and understandings between them, whether written or oral, relating to its subject matter.
- 12.3.2 Each party acknowledges that in entering into the Contract it does not rely on, and shall have no remedies in respect of any statement, representation, assurance or warranty (whether made innocently or negligently) that is not set out in the Contract. Each party agrees that it shall have no claim for innocent or negligent misrepresentation based on any statement in the Contract.
- 12.3.3 Nothing in this clause shall limit or exclude any liability for fraud.

- 12.4 **We may make changes to these terms.** You should check them each time prior to engaging our Services to ensure that you are aware of the applicable terms. Except as set out in these Conditions, no variation of the Contract shall be effective unless it is in writing and signed by the parties (or their authorized representatives).

- 12.5 **Waiver.** A waiver of any right or remedy under the Contract or by law is only effective if given in writing and shall not be deemed a waiver of any subsequent breach or default. A failure or delay by a party to exercise any right or remedy provided under the Contract or by law shall not constitute a waiver of that or any other right or remedy, nor shall it prevent or restrict any further exercise of that or any other right or remedy. No single or partial exercise of any right or remedy provided under the Contract or by law shall prevent or restrict the further exercise of that or any other right or remedy.

- 12.6 **Severance.** If any provision or part-provision of the Contract is or becomes invalid, illegal or unenforceable, it shall be deemed modified to the minimum extent necessary to make it valid, legal and enforceable. If such modification is not possible, the relevant provision or part-provision shall be deemed deleted. Any modification to or deletion of a provision or part-provision under this clause shall not affect the validity and enforceability of the rest of the Contract.

12.7 Third party rights.

- 12.7.1 Unless it expressly states otherwise, the Contract does not give rise to any rights under the Contracts (Rights of Third Parties) Act 1999 to enforce any term of the Contract.
- 12.7.2 The rights of the parties to rescind or vary the Contract are not subject to the consent of any other person.

- 12.8 **Governing law.** The Contract, and any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with it or its subject matter or formation shall be governed by, and construed in accordance with the law of England and Wales.

- 12.9 **Jurisdiction.** Each party irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim (including noncontractual disputes or claims) arising out of or in connection with the Contract or its subject matter or formation.

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Hours of Business:

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