



Diagnostic Laboratory Services

Effective 1st January 2008

Key to Turnaround Time Symbols:

- | | | |
|---|--------------------|---------------------|
| ○ Same working day, samples received before 3pm | △ 2-4 working days | ▲ 1-2 weeks |
| ● By end of next working day | ■ up to 1 week | □ more than 2 weeks |

Please note: Samples may be used for anonymous surveillance unless consent is withdrawn with sample submission.

Document QS 3/8



FS 55025

EQUINE VIROLOGY	
Serology	
<i>Samples should be clotted blood or serum. Samples are always paired with the last previous sample taken within 3 months. If request differs from original test a charge will be made.</i>	
Tests Required for Breeding and Sales	
<i>For pre-breeding and sales of UK resident mares. Assays set up daily (excluding weekends).</i>	
Arteritis Virus Antibodies (EVA) + Equine Infectious Anaemia (EIA)	△
EVA + EIA + CEM Culture	■
Arteritis Virus Antibodies (EVA) (ELISA/VN test)	
For pre-breeding and sales of UK resident mares	● (with CEM) ■
Imports, stallions, travelling mares and positive ELISA results require up to an additional 4 days for VN titration.	■
Equine Infectious Anaemia (EIA) Coggins/ or ELISA if specified but this is not accepted for animals travelling overseas	△
Respiratory Screen (Adenovirus, Influenza, Herpesvirus and Rhinovirus)	△
Herpesvirus Virus - 1 & 4 Antibodies (CF Test)	△
For diagnosis of EHV abortion, respiratory and neurological diseases.	
1ml CSF may also be sent for testing. Assay set up Monday and Thursday. Results usually after 4pm Tues and Fri.	
Coital Exanthema (EHV-3) Antibodies (VN Test)	■
Adenovirus/Influenza Antibodies (HI Test)	△
Assay set up Monday and Thursday. Results usually after 4pm Tues and Fri.	
Rhinovirus 1 & 2 Antibodies (CF Test)	△
Assay set up Monday and Thursday. Results usually after 4pm Tues and Fri.	
Virus Detection/Isolation	
EHV Clearance for equine neonatal death and aborted foetuses	● *
Fresh and fixed samples of lung, liver, spleen, thymus, adrenal gland and placenta for EHV PCR, histology and immunostaining if appropriate.	
PCR set up Monday, Wednesday, and Friday. Immunostaining set up Tuesday and Thursday.	
PCR only	
Virus Isolation in Tissue Culture	□
For the detection of Herpesvirus, Picornavirus, Adenovirus, Arteritis Virus.	
Any of the following samples may be submitted:	
Heparinised blood - 30ml; Scabs or faeces in dry sterile container.	

rt = referral test

Nasopharyngeal and eye swabs should be submitted in viral transport medium (white or green top).	
(Green top VTM is required if bacteriology is also required.)	
Tracheal wash in a plain sterile container. Tissue samples in viral transport medium (white top)	
Influenza Virus Antigen (NP ELISA) ●	
Detects influenza virus antigen. Required for export to some countries.	
Submit nasopharyngeal swab in viral transport medium (pink top). Same day result if received before 11.00am	
Equine nasopharyngeal swab respiratory screen □	
Virus isolation in tissue culture (herpes, picornavirus, adenovirus, arteritis virus) and influenza virus antigen.	
Submit nasopharyngeal swab in transport media	
Arteritis Virus PCR and Isolation □	
For diagnosis of an EVA shedding stallion 1ml of semen in a plain sterile container should be submitted.	
EVA Clearance for equine neonatal death and aborted fetuses □	
Fresh and fixed samples of heart, kidney, lung, liver, spleen, thymus and adrenal gland and placenta for virus isolation, histology and immunostaining if appropriate.	
Combined EHV and EVA Clearance	
*TBA members may claim money rebate from Thoroughbred Breeders' Association. Please contact TBA for details (01638) 661321	
INFORMATION SHEETS AND PROTOCOLS	
The following Dynamic Testing Protocols are available:	The following Information Sheets are available
ACTH Stimulation - Canine	Collection and Handling of Samples for Coagulation Tests
ACTH Stimulation - Feline	Haemophilia Screening in the Dog
Dexamethasone Suppression Test - Equine	von Willebrands Disease in Dogs
Low Dose Dexamethasone Screening Test - Canine	Serological Testing for Equine Viral Arteritis (EVA)
High Dose Dexamethasone Suppression Test - Canine	Submission of Nasopharyngeal Swabs
T3 Suppression Test - Feline	Strangles: Identification of Carriers of Streptococcus Equi
Glucose Absorption Test - Equine	Prevention and Treatment of Equine Rhabdomyolysis
Bile Acid Stimulation Test - Canine/Feline	Equine Cushings Syndrome
Combined Dexamethasone Suppression/TRH Stimulation - Equine	Cross-matching for Blood Transfusion
	Interpretation of Serum Protein Electrophoresis

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SUPPLIES AVAILABLE	
Return to 602 regulation box to cover handling and postage ●	
General Laboratory Submission Form	Postage-paid Jiffy Label
Multiple Sample Submission Form	Mailing box
Equine Respiratory Submission Form	Absorbent sachets
Immunohistochemistry Submission Form	Slide mailers
Clitoral swab for CEM testing	Horse-size nasopharyngeal swab with transport media*
Universal with buffered formalin	Pony-size nasopharyngeal swab with transport media*
Surgicutt device for Buccal Mucosal Bleeding Time	Bacterial transport medium (green top)*
Blood Culture Bottles (set of 2)	Influenza transport medium (pink top)*
	Viral transport medium (white top)*
<i>Unfortunately we can no longer supply blood tubes.</i>	<i>*No charge for nasopharyngeal swabs to be used for submission of specimens to AHT. Swabs that will not be returned to AHT are charged at £4.00 each. Transport media for swabs is supplied only for submissions to AHT.</i>
Transport Media:	
<i>We provide three different media for different uses. These are:</i>	
<i>Pink Top:</i> Flu Virology The pink top transport medium contains Phosphate Buffered Saline (PBS), Tryptose Phosphate Broth (TPB), Fungizone and Pen/Strep. It is especially suitable to transport samples for flu-investigations, since the TPB stabilises the influenza virus.	
<i>Green Top:</i> Bacteriology & General Virology The green top transport medium contains Phosphate Buffered Saline (PBS), Foetal Calf Serum (FCS) and Fungizone and is suitable to transport samples for bacteriological and general virology investigations.	
<i>White Top:</i> General Virology but not Bacteriology The white top medium contains Phosphate Buffered Saline (PBS), Foetal Calf Serum (FCS), Fungizone and Pen/Strep. It is suitable to transport samples for general virological investigation.	
<i>ALL TRANSPORT MEDIA SHOULD BE KEPT FROZEN</i> <i>Although can be stored at room temperature for a few days. Nasopharyngeal swabs with appropriate transport media can be supplied at a cost of £4.00 each if not returned to us for testing (free of charge if returned for testing).</i>	

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SORRY WE CAN NO LONGER OFFER DISCOUNT FOR ANIMALS BELONGING TO VETERINARY SURGEONS AND THEIR STAFF

HOURS OF BUSINESS 8.30 AM - 5.30 PM MONDAY TO FRIDAY (CLOSED BANK HOLIDAYS)

Weekend: A pathologist is on call to deal with equine post mortems required during the weekend. A virology technician is on call to deal with *urgent* samples for equine serology and virus isolation. An additional fee is charged for this service. Staff are not available to deal with other queries during weekends.

CONTACTS

Diagnostic Services Laboratory Manager

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Pathology

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Equine Pathology Consultant

Katherine Whitwell, BVSc DipLECVF FRCVS

RCVS Specialist in Veterinary Pathology (equine)

Clinical Pathology

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Alison Haslam

Immunocytochemistry

Jodi Miller, BSc

Diagnostic Microbiology and Virology

Toni-Ann Hamond, AIBMS

Epidemiology/Outbreak Investigations

Richard Newton, BVSc MSc PhD DLSHTM DipECVPH FRCVS

Annie Cooke, BVetMed MRCVS

Julie Ross MA VetMB DipACVIM MRCVS

Customer Services

Microbiology/Virology: Mahala Richardson

Pathology/Clinical Pathology: Dawn Payani



Registered charity no. 209642

All samples should be sent to:

*Animal Health Trust, Diagnostic Laboratory Services,
Lanwades Park, Kentford, Newmarket, Suffolk CB8 7UU*

Tel: 08700 502426 Fax: 08700 502461

E-mail: diagnostics@abt.org.uk Web Site: www.abt.org.uk