


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>4649 Accredited to ISO/IEC 17025:2005</p>	<h3>Animal Health Trust</h3> <p>Issue No: 008 Issue date: 24 March 2017</p>	
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<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>ANIMAL TISSUES AND BODY FLUIDS</p> <p>Blood</p>	<p>Biochemistry</p> <p>Quantification of: A/G Ratio Albumin ALT Amylase AP AST Bile Acids Calcium Chloride Cholesterol CK Creatinine GGT Glucose Lipase Phosphate Potassium Sodium Total Bilirubin Total Globulins Total Protein Triglycerides Urea</p>	<p>Documented In-house Method: SOP/CLIN/35 Indiko Plus</p>
<p>Blood - dogs, cats and horses</p>	<p>Haematology</p> <p>Full Blood Count</p>	<p>Documented In-house Methods: SOP/CLIN/29 ADVIA Haematology Analyser</p>



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ANIMAL TISSUES AND BODY FLUIDS (cont'd)	Haematology (cont'd)	
Blood, EDTA anti-coagulated, dogs cats and horses	Full blood count including automated reticulocyte count	SOP/CLIN/29 ADVIA120 haematology analyser
	Manual reticulocyte count	SOP/CLIN/05, microscopy
Blood, Li heparin anti-coagulated, dogs and horses	Smear evaluation - white blood cell differential	SOP/CLIN/03 using the Hema-tek automatic slide stainer (SOP/CLIN/04)
	Histopathology	
Fresh and fixed tissues processed and embedded in paraffin wax	Detection of specific cellular structures and composition	Documented In-house Methods for staining and reading, supported by SOPs for cutting up, processing, embedding dehydration, clearing and mounting (SOP/PATH/15, SOP/PATH/10, SOP/PATH/09, SOP/PATH/04) Using Shandon or Histos 5 tissue processors
	Identification of basophilic and eosinophilic structures	SOP/PATH/11 Haematoxylin and Eosin ('H & E') stains
	Presence of Acid Alcohol Fast Bacilli (AAFB)	SOP/PATH/13-R (Ziehl Neelsen)
	Presence of Gram positive and Gram negative bacteria	SOP/PATH/13-F (Hucker Conn Gram)
	Identification of structures and cell morphologies:	Documented In-house Methods using Specialist Stains as below:
	Collagen/smooth muscle (differentiation)	SOP/PATH/13-O (Van Gieson)
	Mucopolysaccharides, fungal hyphae, Glycogen	SOP/PATH/13-J (Periodic Acid Schiff - PAS)



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ANIMAL TISSUES AND BODY FLUIDS (cont'd) Fresh and fixed tissues processed and embedded in paraffin wax	Histopathology (cont'd) Detection of specific cellular structures and composition	Documented In-house Methods for staining and reading, supported by SOPs for cutting up, processing, embedding dehydration, clearing and mounting (SOP/PATH/15, SOP/PATH/10, SOP/PATH/09, SOP/PATH/04 SOP /PATH/39) Using Shandon or Histos 5 tissue processors
Fresh and Fixed Tissues processed and embedded in paraffin wax	Non-haemoglobin iron Detection of specific cellular structures and composition:	SOP/ PATH/13-K (Perls' Prussian Blue) SOP/PATH/13-N (Toluidine Blue)
ANIMAL TISSUES AND BODY FLUIDS (cont'd) Swabs	Microbiology Isolation and identification of <i>Klebsiella pneumoniae</i> & <i>Pseudomonas aeruginosa</i>	Documented In-house Methods: SOP/ BACT/08 supported by SOP/BACT/01 - conventional culture technique using CLED and Cetrimide agars, under the Code of Practice of the Horse Race Betting Levy Board
Nasal Swabs	Isolation and identification of <i>Streptococcus equi</i>	SOP/ BACT/02 supported by SOP/BACT/01 - conventional culture technique using Staph/Strep selective agar, under the Code of Practice of the Horse Race Betting Levy Board
Serum	Detection of antibodies to <i>Babesia caballi</i> (Piroplasmosis)	SOP/VIROL/49 by VMRD cELISA using plate reader and Soft Max Pro software
Serum	Detection of antibodies to <i>Theileria (Babesia) equi</i> (Piroplasmosis)	SOP/VIROL/49 by VMRD cELISA using plate reader and Soft Max Pro software



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ANIMAL TISSUES AND BODY FLUIDS (cont'd)	Microbiology (cont'd)	Documented In-house Methods:
Serum	Detection of IgG antibodies to <i>Streptococcus equi</i>	SOP/VIROL/44 - in house ELISA using pre-coated plates and freeze dried controls or wet plate method, with plate reader and Soft Max Pro Software - under the Code of Practice of the Horse Race Betting Levy Board
Equine nasal swabs and tissues	Detection of Equine Influenza Virus RNA	SOP/VIROL/48 qPCR using ABI StepOnePlus thermal cyclers
Equine nasopharyngeal swabs, tracheal wash and bronchial-alveolar lavage and tissues	Detection of Equine Herpes Virus Types 1 and 4	SOP/VIROL/47 qPCR using ABI StepOnePlus thermal cyclers or Techne Quantica
Equine nasopharyngeal swabs, nasal and tracheal washes or aspirates, guttural pouch washes and chondroids, swabs or pus from abscesses	Detection of <i>Streptococcus equi</i> DNA	SOP/BACT/36 qPCR using ABI StepOnePlus thermal cyclers
Equine and asinine genital and endometrial swabs	Detection of <i>Taylorella equigenitalis</i> and <i>Taylorella</i>	SOP/BACT/39 qPCR using ABI StepOnePlus thermalcycler under the Code of Practice of the Horse Race Betting Levy Board
ANIMAL TISSUES AND BODY FLUIDS (cont'd)	Molecular Genetics	Documented In-house Methods:
Canine cheek swabs or whole blood (EDTA)	Hereditary Cataract Test	SOP/IMUN/70 Appendix V for PCR (supported by SOP/IMUN/56 – Isolation of DNA from blood and cheek swab samples) using the MJ Tetrads thermal cyclers and capillary electrophoresis by the ABI Prism 3130xl genetic analyser
	DNA Profiling	SOP/IMUN/52 for PCR (supported by SOP/IMUN/56 – Isolation of DNA from blood and cheek swab samples) using the MJ Tetrads thermal cyclers and capillary electrophoresis by the ABI Prism 3130xL genetic analyser



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ANIMAL TISSUES AND BODY FLUIDS (cont'd) Canine cheek swabs	Molecular Genetics (cont'd) Golden Retriever Progressive Retinal Atrophy (PRA1) Golden Retriever Progressive Retinal Atrophy (PRA) 2 Tibetan Spaniels and Tibetan Terriers Progressive Retinal Atrophy (PRA) 3 Primary Lens Luxation Test (PLL)	Documented In-house Methods: SOP/IMUN/70 Appendix XI for PCR (SOP/IMUN/56 – Isolation of DNA from blood and cheek swab samples) using the MJ Tetrad thermal cyclers and capillary electrophoresis by the ABI Prism 3130xL genetic analyser SOP/IMUN/70 Appendix XI for PCR (supported by -SOP/IMUN/56 – Isolation of DNA from blood and cheek swab samples) using the MJ Tetrad thermal cyclers and capillary electrophoresis by the ABI Prism 3130xL genetic analyser SOP/IMUN/70 Appendix XIII for PCR (supported by SOP/IMUN/56 – Isolation of DNA from blood and cheek swab samples) using the MJ Tetrad thermal cyclers and capillary electrophoresis by the ABI Prism 3130xL genetic analyser SOP/IMUN/69 Appendix 1 for PCR (supported by SOP/IMUN/56 – Isolation of DNA from blood and cheek swab samples) using ABI StepOne Plus Real-Time PCR System
Cattle Hair	DNA Profiling	SOP/IMUN/46 for PCR (supported by SOP/ IMUN/01 extraction of DNA from hair)) using the MJ Tetrad thermal cyclers and capillary electrophoresis by the ABI Prism 3130xL genetic analyser



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ANIMAL TISSUES AND BODY FLUIDS (cont'd) Equine blood and hair	Molecular Genetics (cont'd) DNA Profiling	Documented In-house Methods: SOP GSERV/04 Multiplex PCR (supported by GSERV/02 extraction of DNA from blood or SOP/GSERV/03 extraction of DNA from hair) using Labtech International GS4M G-Storm thermal cycler and capillary electrophoresis by the ABI Prism 3130xL genetic analyser
BACTERIAL CULTURES <i>Klebsiella pneumonia</i>	Molecular Biology Capsule typing K1, K2 and K5	SOP/BACT/38 Multiplex PCR using MJ Tetrad Thermal Cycler and agarose gel electrophoresis
END		