

Certificate of Accreditation



IDEXX Laboratories Ltd

Testing Laboratory No. 2534

**Is accredited in accordance with International Standard ISO/IEC 17025:2017
– General Requirements for the competence of testing and calibration
laboratories.**

This accreditation demonstrates technical competence for a defined scope specified in the schedule to this certificate, and the operation of a management system (refer joint ISO-ILAC-IAF Communiqué dated April 2017). The schedule to this certificate is an essential accreditation document and from time to time may be revised and reissued.

The most recent issue of the schedule of accreditation, which bears the same accreditation number as this certificate, is available from www.ukas.com.

This accreditation is subject to continuing conformity with United Kingdom Accreditation Service requirements.

A handwritten signature in black ink, reading "Matt Gantley", is positioned above a horizontal line.

Matt Gantley, *Chief Executive Officer*
United Kingdom Accreditation Service

Initial Accreditation: 25 October 2004
Certificate Issued: 9 December 2019




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Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>2534</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p align="center">IDEXX Laboratories Ltd</p> <p align="center">Issue No: 041 Issue date: 28 June 2020</p>	
	<p>Grange House Sandbeck Way Wetherby West Yorkshire LS22 7DN</p>	<p>Contact: Mrs Gaynor Howe Tel: +44 (0)1937 544000 Fax: +44 (0)1937 544001 E-Mail: gaynor-howe@idexx.com Website: www.idexx.co.uk</p>
<p align="center">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 BIOLOGICAL FLUIDS as specified</p> <p>Serum/Plasma</p> <p>(CSF samples also)</p> <p>(Canine, Feline, Serum / Plasma)</p>	<p><u>Biochemistry Tests</u></p> <p>Albumin Alkaline Phosphatase Alanine Aminotransferase (ALT) Amylase Aspartamine Aminotransferase (AST) B-Hydroxy-butyrate (BHB) Bile Acids Total Bilirubin Calcium Chloride Cholesterol Creatinine Kinase (CPK) Copper Creatinine Fructosamine Gamma GT Glucose Glutamate Dehydrogenase (GLDH) Inorganic Phosphate Iron Total Lactate Dehydrogenase (LDH) Lipase Magnesium Potassium Sodium Total Protein Triglycerides Uric Acid Urea</p>	<p>Documented In-House Methods and Manufacturer's instructions for Beckman AU 5800 and AU5812 Analysers with specific reference to WET-BIO-SOP-453</p>



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ANIMALS BIOLOGICAL FLUIDS as specified (cont'd)	<u>Biochemistry Tests</u> (cont'd)	Documented In-House Methods and Manufacturer's instructions for Beckman AU 5800 and AU5812 Analysers
Urine	Sodium Potassium Chloride Creatinine Total protein	
Serum	Symmetric dimethylarginine (SDMA) immunoassay	WET-BIO-SOP-453
Serum/Heparin Plasma	Phenobarbital	WET-BIO-SOP 453 using Microgenics CEDIA Phenobarbital II assay
Serum/Plasma	Thyroxine	WET-BIO-SOP-453 using Microgenics T4 Assay
Serum and urine	Protein Separation - Albumin - Alpha 1 globulin - Alpha 2 - Beta globulin Gamma globulin	WET-BIO-SOP-2676 by agarose gel electrophoresis using Helena SAS 3 & 4 analyser
Urine	Chemistry - pH, Protein, Glucose, Ketones, Bilirubin, Blood/ Haemoglobin	WET-MIC-SOP-4176 Using Roche - Combur 10 strip test (Chemistry)
	Examination for white blood cells & red blood cells	WET-MIC-SOP-4181 by microscopy
	Specific gravity	WET-MIC-SOP-4179 by refractometer
Urine	Chemistry - pH, Protein, Glucose, Ketones, Bilirubin, Blood/ Haemoglobin, Specific Gravity, Colour, Clarity	WET-MIC-SOP-5051 Using Roche U601 analyser



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ANIMAL BIOLOGICAL FLUIDS as specified (cont'd)	<u>Endocrinology Tests</u>	Documented In-House Standard Operating Procedures (SOPs) and Manufacturers' instructions for Immulite 2000 and Immulite 2000 XPI analysers with specific reference to WET-BIO-SOP-546
Serum and Plasma (Heparin)	Cobalamin Cortisol Folate Progesterone Thyroxine Canine serum TSH Digoxin	
Serum	<u>Cytology Tests</u>	
Aspirated systemic fluids (urine, pleural, ascetic & miscellaneous aspirates)	Total protein	WET-CYT-SOP-600 using a refractometer
	<u>Haematology Tests</u>	Documented In-House Standard Operating Procedures (SOPs) and Manufacturer's instructions for testing as specified to support veterinary diagnoses
Whole blood	Complete blood count	1).WET- HAE-SOP-91 (ACTS) and WET-HAE-SOP-92 (Open tube) Using Advia 2120 2).WET-HAE-SOP 2636 using Sysmex XT2000
(Equine, canine and feline blood only)	Red Blood Cell count (RBC) Haemoglobin (Hb) Haematocrit (Hct) MCV (Mean Cell Volume) MCHC (Mean corpuscular haemoglobin concentration) White Blood Cell count (WBC) Differential White Cell count Platelets Reticulocytes Reticulocyte Haemoglobin	(Sysmex XT2000 only)
	Differential white blood cell count	WET-HAE-SOP-401 using Hema Tek Slide Stainer WET-HAE-SOP-395 or Beckman slide maker stainer WET-HAE-SOP-3667



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ANIMAL BIOLOGICAL FLUIDS as specified (cont'd)	<u>Haematology Tests</u> (cont'd)	Documented In-House Standard Operating Procedures (SOPs) and Manufacturer's instructions for testing as specified to support veterinary diagnoses
Whole Blood	Blood film assessment (peripheral)	WET-HAE-SOP-399 using Hema Tek Slide Stainer WET-HAE-SOP-395 and WET-HAE-SOP-3667 Beckman slide maker stainer
(Feline and canine Blood only)	Blood Grouping performance	WET- HAE_SOPs 405 & 406 using Alvedia Lab test kit.
	Buffy Coat Preparation	WET-HAE-SOP-402 using Microhaematocrit centrifuge and WET-HAE-SOP-395 stainer
	Canine/Feline Coombs test	WET-HAE-SOP-411 using VMRD kit
	Haemoglobin	WET-HAE-SOP-396 by colorimetric analysis using Hemocue Spectrophotometer
Whole blood	Haematocrit	WET-HAE-SOP-394 by centrifugation using Microhaematocrit centrifuge
Whole blood	Manual Reticulocyte Count	WET-HAE-SOP-398 by Supravital staining and Microscopy
	Cross matching	WET-HAE-SOP-407 by haemagglutination and microscopy
	<u>Immunoserology Tests</u>	
Serum	Antinuclear Antibody	WET-HAE-SOP-409 by indirect immunofluorescence
	Canine Pancreatic Lipase (CPLI)	WET-HAE-SOP-3716 by ELISA (IDEXX)
	Canine Anti-thyroglobulin antibodies (TGAA)	WET-HAE-SOP-2139 by ELISA



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ANIMAL BIOLOGICAL FLUIDS as specified (cont'd)	<u>Immunoserology Tests</u> (cont'd)	Documented In-House Standard Operating Procedures (SOPs) and Manufacturer's instructions for testing as specified to support veterinary diagnoses (cont'd)
Plasma (EDTA)	Canine NT pro-BNP	WET-HAE-SOP-3463 by Canine Cardiopet Plus ELISA (IDEXX) using full automation (Tecan Freedom EVO WET-HAE-SOP-5153), automation of sample dilutions or manual method
	Feline NT pro-BNP	WET-HAE-SOP-3450 by Feline Cardiopet Plus ELISA (IDEXX)
Plasma (Citrated)	Fibrinogen	WET-HAE-SOP-3336
	Prothrombin time	WET-HAE-SOP 3336
	Partial Thromboplastin Time	WET-HAE-SOP-3336
Serum and heparinised plasma	Bovine Viral Diarrhoea Virus (BVDV) Antibody	WET-HAE-SOP- 3492 by IDEXX ELISA
	Bovine Viral Diarrhoea Virus (BVDV) Antigen	WET-HAE-SOP-3493 by IDEXX ELISA
Serum	Rheumatoid Antibodies (canine)	WET-HAE-SOP-410 by latex agglutination
	Heartworm, Lyme's and Ehrlica	WET-HAE-SOP-3535 by IDEXX SNAP 4DX Kit
Serum	FIV antibody detection	WET-HAE-SOP-418 by IDEXX ELISA
	FIV antibody detection	WET-HAE-SOP-419 by Western Blot using IDEXX FIV kit
	FeLV Antigen detection	WET-HAE-SOP-417 using IDEXX Feline Virus ELISA



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ANIMAL SWABS, TISSUES and BIOLOGICAL FLUIDS, as specified	<u>Microbiology Tests</u>	
Bacterial Colonies from solid media	Identification based upon bacterial protein profile matching against a defined database.	WET-MIC-SOP-3394 using the Bruker MALDI-TOF MS system
	Microbial identification and antimicrobial susceptibility	WET-MIC-SOP 2879 & 4388 using VITEK 2XL
Blood Cultures Fluids/Aspirates	General isolation and characterisation of micro-organisms of veterinary clinical significance	WET-MIC-SOP-675 WET-MIC-SOP-676 by enrichment
Swabs from eyes, nasal and throat, ears, skin, abscess/cyst, anal gland, interdigital cyst	General isolation and characterisation of micro-organisms of veterinary clinical significance	WET-MIC-SOP 2875 and WET-MIC-SOP 664 as appropriate to the sample type with identification according to SOP 713. Plating out using manual or automated (WASP)
Equine Genital Tract Samples	Examination for the presence of <i>Taylorella equigenitalis</i> , <i>Klebsiella pneumoniae</i> and <i>Pseudomonas aeruginosa</i>	WET-MIC-SOP-674 as screening for CEMO under the Code of Practice of the Horse Race Betting Levy Board
Skin, hair and skin swabs	General isolation and characterisation of fungi and yeasts of veterinary clinical significance	WET-MIC-SOP-2875, Microscopy WET-MIC-SOP-4397, Dermatophytes WET-MIC-SOP-4405, Non-dermatophytes WET-MIC-SOP-4406, Skin, hair, nails WET-MIC-SOP-4407 As appropriate to the sample type. Plating out using manual or automated (WASP)
	General isolation and characterisation of micro-organisms of veterinary clinical significance	WET-MIC-SOP-4221. Plating out using manual or automated (WASP)
Faeces	Examination for presence of <i>Salmonella</i> spp	WET-MIC-SOP-650 by selective enrichment (Rappaports V broth) using manual or automated (WASP) broth subculturing and selective plating (Brilliant Green Agar)



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ANIMAL SWABS, TISSUES and BIOLOGICAL FLUIDS, as specified (cont'd)	<u>Microbiology Tests</u> (cont'd)	Documented In-House Standard Operating Procedures (SOPs)
	Examination for presence of <i>Campylobacter</i> spp	WET-MIC-SOP-4500 by direct plating
ANIMAL TISSUES and BIOLOGICAL FLUIDS, as specified	<u>Parasitology Tests</u>	Documented In-House Standard Operating Procedures (SOPs)
Faeces	Examination for the presence of parasites of veterinary clinical significance	WET-MIC-SOP-4305 and WET-MIC-SOP-4337 using direct microscopy and zinc sulphate centrifugation
Faeces	Detection of Lungworm	WET-MIC-SOP-4294 by the Baermann test
	Worm egg count	WET-MIC-SOP-4324 using improved modified McMasters technique
ANIMAL TISSUES, as specified	<u>Histology Tests</u>	
	Histochemical staining	In House documented methods for staining and reading, all supported by SOPs for cutting up, processing embedding dehydration, clearing and mounting
Fresh tissues and Paraffin wax blocks of processed tissue	Identification of basophilic and eosinophilic structures	WET-HIS-SOP-205 & 49 Haematoxylin and Eosin ('H & E') stains, Toluidine, Periodic Acid Schiff, Tissue Giemsa
		Staining processes to include as relevant:
	- Presence of Gram positive, negative bacteria	Gram Stain
	- Presence of Acid Alcohol Fast Bacteria	Ziehl Neelson



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ANIMAL TISSUES, as specified (cont'd)	<p><u>Histology Tests</u> (cont'd)</p> <p>Identification of structures and cell morphologies through the detection of</p> <ul style="list-style-type: none"> - reticulin or reticulin fibres - heparin granules - ferric iron - carbohydrates - basement membranes, - connective tissue - copper - fungal elements - protozoa 	<p>Gordon and Sweet's Toluidine Blue Perls Prussian Blue Trichrome stains Melanin Bleach Congo Red Rubeanic Acid Periodic Acid Schiff Tissue Giemsa All the above incorporating the following SOPs:</p> <ul style="list-style-type: none"> - WET-HIS-SOP-4373 - WET-HIS-SOP-206 - WET-HIS-SOP-207 - WET-HIS-SOP-208 - WET-HIS-SOP-209 - WET-HIS-SOP-210 - WET-HIS-SOP-211 - WET-HIS-SOP-213 - WET-HIS-SOP-215 - WET-HIS-SOP-216 - WET-HIS-SOP-236
Anatomical Pathology - results of histology staining as included within the schedule of accreditation	<p><u>Opinions and interpretations</u></p> <p>Interpretation of histology and Immunohistochemistry staining including diagnosis for the purposes of disease identification in companion animals</p>	Documented in house procedures
END		