


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING</p> <p>1733</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Nationwide Laboratory Services (Poulton) – a division of National Veterinary Services Limited</p> <p>Issue No: 046 Issue date: 22 June 2022</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
BODY FLUIDS AND TISSUES from animals as specified	<u>Clinical Microbiological Tests</u> and related opinions and interpretations	Documented In-House Methods supported by veterinary texts:
Swabs, Tissue, Urine, Faeces, Skin Scrapings, Hair, Other Body Fluids	Isolation and identification of bacteria of clinical significance	Methods using isolation culture media and biochemical characterisation tests: SOP 100 Ear microbiology SOP 101 Blood/Joint microbiology SOP 102 Eye microbiology SOP 103 Faeces microbiology SOP 104 Respiratory tract microbiology SOP 105 Skin microbiology SOP 106 Urine microbiology using microscopy and culture SOP 107 Venereal microbiology
Swabs, Tissue, Hair, Body Fluids	Isolation and identification of yeasts and fungi of clinical significance	SOP 100 Ear microbiology SOP 105 Skin microbiology
Serum	Detection of <i>Aspergillus fumigatus</i> antibody	SOP 113 Immunodiffusion method using Microgen kit
Urine	<u>Urine Examination</u> Biochemistry screen for pH, protein, glucose, ketone bodies, bilirubin and blood and related opinions and interpretations	Documented In-House Methods: SOP 112 using Roche-Combur 9 Test, dip stick method
	Specific gravity and related opinions and interpretations	SOP 118 by refractometer



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BODY FLUIDS AND TISSUES from animals as specified (cont'd)	<u>Haematology Tests</u> and related opinions and interpretations	Documented In-House Methods supported by veterinary texts:
Whole Blood with Anticoagulant (EDTA, heparin or sodium citrate), Blood Smears	Differential white blood cell count Assessment of red blood cell morphology Assessment of platelet numbers and morphology	SOP 114, Microscopic examination of a stained smear
Whole Blood with Anticoagulant (EDTA, heparin or sodium citrate)	Total Blood Cell Count Total White Cell Count Haemoglobin MCV (Mean corpuscular volume) MCHC (Mean corpuscular haemoglobin concentration) MCH (Mean corpuscular haemoglobin) PCV (Packed cell volume) / Haematocrit Automated Reticulocyte count Automated Differential count Manual Haematocrit One Step Prothrombin Time Activated Partial Thromboplastin Time	SOP 154 using automated Advia 2120 analyser SOP 155 SOP 151 SOP 085 Micro-haematocrit centrifuge method SOP 001 Automated coagulation testing using Amelung Micro Coagulator SOP 002 Automated coagulation testing using Amelung Micro Coagulator
BODY FLUIDS AND TISSUES from animals as specified (cont'd)	<u>Parasitology Tests</u> and related opinions and interpretations	Documented In-House Methods supported by veterinary texts:
Faeces	Detection and/or Identification and Enumeration of helminths and protozoa of clinical significance	SOP 108 using microscopy techniques (Cryptosporidia screen using auramine phenol and confirmation by MZN)
Faeces	Detection and Identification of parasitic larvae	SOP 108 using Baerman method



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BODY FLUIDS AND TISSUES from animals as specified (cont'd)	<u>Parasitology Tests</u> and related opinions and interpretations(Cont'd)	Documented In-House Methods supported by veterinary texts:
Faeces	Enumeration of eggs and cysts, fluke ova and cysts (worm egg count)	SOP 108 using McMaster flotation
Skin Scrapings, Hair Samples	Identification of arthropods of clinical significance	SOP 109 using microscopy techniques
Blood, Serum, Plasma, Urine, as specified in individual SOPs	<u>Biochemistry Tests</u> and related opinions and interpretations	
	Biochemical analysis:	SOP 200 Beckman Coulter DxC700AU analyser and specific SOPs:
	Alanine Aminotransferase (ALT)	SOP 201
	Albumin	SOP 202
	Alkaline phosphatase (ALP)	SOP 203
	Alpha amylase	SOP 204
	Aspartate aminotransferase (AST)	SOP 205
	Bile acid	SOP 206
	Bilirubin - direct	SOP 207
	Bilirubin - total	SOP 208
	Calcium	SOP 209
	Cholesterol	SOP 210
	Creatinine	SOP 211
	Creatinine Kinase (CK NAC)	SOP 212
	Fructosamine	SOP 214
	Gamma-glutamyl transpeptidase (GGT)	SOP 215
	Glucose	SOP 216
	Glutamate dehydrogenase (GLDH)	SOP 217
	Lactate dehydrogenase (LDH)	SOP 218
	Lipase	SOP 219
	Magnesium	SOP 220
	Phenobarbital	SOP 222
	Phosphorus (inorganic phosphate)	SOP 223
	Total protein	SOP 225
	Triglycerides	SOP 227
	Urea	SOP 228
	Uric acid	SOP 229
Blood, Serum, Plasma, Urine	Electrolyte determination:	SOP 213
	Chloride, Potassium and Sodium	
CSF, Urine	Total protein pyrogallol red	SOP 226



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BODY FLUIDS AND TISSUES from animals as specified (cont'd)	<u>Biochemistry Tests</u> and related opinions and interpretations (cont'd)	Documented In-House Methods supported by veterinary texts:
Serum, Plasma	Hormone assays:	SOPs using chemiluminescent method using Immulite 2000:
(Canine/Feline)	Canine TSH Cortisol Progesterone Thyroxine (T4)	SOP 98 SOP 117 SOP 124 SOP 003
FOODS	<u>Microbiological Tests</u>	
	Detection of:	
	<i>Listeria</i> spp including species identification	In-House Method SM 28 using Fraser broth enrichment and selective plating using ALOA Agar and Palcam Agar with confirmation using API
	<i>Salmonella</i> spp	Method SM 05 based on BS EN ISO 6579-1:2017+A1:2020
	Enumeration of:	
	<i>Bacillus cereus</i> (presumptive)	Method SM 11 based on BS EN ISO 7932:2004+A1:2020
	Coliforms (presumptive)	Method SM 02 based on BS ISO 4832:2006
	<i>Clostridium perfringens</i> and sulphite reducing bacteria	Method SM 29 based on BS EN ISO 7937:2004
	Enterobacteriaceae (presumptive)	Method SM 10 based on BS EN ISO 21258-02:2017
	Enterococci	In-house method SM08
	<i>Escherichia coli</i> (beta-glucuronidase positive)	Method SM 25 based on BS ISO 16649-2:2001
	<i>Listeria</i> spp including species identification	In-House Method SM 27 using BPW or Fraser broth enrichment and selective plating using Palcam Agar with confirmation using API



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FOODS (cont'd)	<u>Microbiological Tests</u> (cont'd) Enumeration of: <i>Staphylococcus aureus</i> Total Aerobic Colony Count at 30°C Yeasts and Moulds <i>Pseudomonas</i> species (presumptive)	Method SM 07 based on BS EN ISO 6888-1:2021 Method SM 01 based on BS EN ISO 4833-2:2013 Documented in-house method SM 12 using YEDCA agar (yeast extract, dextrose, chloramphenicol) SM 18 Method based on BS EN ISO 13720:2010
ENVIRONMENTAL SWABS	Detection of: <i>Listeria</i> spp. including species identification <i>Salmonella</i> spp Enumeration of: <i>Bacillus cereus</i> (presumptive) Coliforms (presumptive) Enterobacteriaceae (presumptive) Enterococci <i>Escherichia coli</i> (beta-glucuronidase positive)	In-House Method SM 28 using Fraser broth enrichment and selective plating using ALOA Agar and Palcam Agar with confirmation using API Method SM 05 based on BS EN ISO 6579-1:2017+A1:2020 Method SM 11 based on BS EN ISO 7932:2004+A1:2020 Method SM 02 based on BS ISO 4832:2006 Method SM 10 based on BS EN ISO 21258-02:2017 In-house method SM 08 Method SM 25 based on BS ISO 16649-2:2001



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ENVIRONMENTAL SWABS (cont'd)	<u>Microbiological Tests</u> (cont'd) Enumeration of: (cont'd) <i>Listeria</i> spp including species identification <i>Staphylococcus aureus</i> Total Aerobic Colony Count at 30°C Yeasts and Moulds	In House Method SM 27 Method SM 07 based on BS EN ISO 6888-1:2021 Method SM 01 based on BS EN ISO 4833-2:2013 Documented in-house method SM 12 based using YEDCA (yeast extract, dextrose, chloramphenicol agar)
WATER, Potable	<u>Microbiological Tests</u> Enumeration of: Coliforms (total) <i>Escherichia coli</i> Presumptive Enterococci <i>Pseudomonas aeruginosa</i> Total Aerobic Colony Count at 22°C and 37°C	Documented In-House Methods based on The Microbiology of Drinking Water (MDW), Environment Agency Method SMWM 02 using membrane filtration based on MDW, 2016, Part 4 Method SMWM 02 using membrane filtration based on MDW, 2016, Part 4 Method SMWM 03 using membrane filtration based on MDW, 2012, Part 5 Method SMWM 04 using membrane filtration based on MDW, 2015, Part 8 Method SMWM01 using plate method, based on MDW, 2020, Part 7



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WATER, Potable (cont'd)	<u>Microbiological Tests</u> (cont'd) Enumeration of: (cont'd) Sulphite reducing clostridia and <i>Clostridium perfringens</i> (sporulated)	Documented In-House Methods based on The Microbiology of Drinking Water (MDW), Environment Agency (cont'd) Method SMWM 05 using membrane filtration based on MDW, 2021, Part 6
END		