Schedule of Accreditation

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UKAS TESTING **2239** **Accredited to ISO/IEC 17025:2017**	**SRUC - Veterinary Services Group** **Issue No:** 096 **Issue date:** 27 October 2026
Veterinary and Analytical Laboratory **Pentlands Science Park** **Bush Loan** **Penicuik** **Midlothian** **EH26 0PZ**	**Contact: Niall Tennant** **Tel: +44 (0) 131 535 3058** **E-Mail: srucqa@sruc.ac.uk** **Website: www.sruc.ac.uk**

Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Veterinary and Analytical Laboratory Pentlands Science Park Bush Loan Penicuik Midlothian EH26 0PZ	**Local contact** Mrs Liz Mackay	Biochemistry Haematology Microbiology Serology Molecular Biology Co-ordination of Group Auditing Quality Management Support Management of Flexible Scope (Serology) Opinions and Interpretations	VAL
Address Veterinary Services Glencorse Building Pentland Science Park Bush Loan Penicuik Midlothian EH26 0PZ	**Local contact** Mrs Liz Mackay	Sampling of Necropsy Material	VAL2
Address Greycrook St Boswells Roxburghshire TD6 0EU	**Local contact** Mr Alistair Mitchell	Sampling of Necropsy Material Opinions and Interpretations Microbiology	STB
Address Mill of Craibstone Bucksburn Aberdeen AB21 9TB	**Local contact** Mrs Susan Fraser	Sampling of Necropsy Material Opinions and Interpretations Microbiology	ABD

Location details		Activity	Location code
Address Janetstown Thurso KW14 7XF	**Local contact** Mr James Dyer	Sampling of Necropsy Material Opinions and Interpretations	THU
Address St Mary's Industrial Estate Dumfries DG1 1DX	**Local contact** Mrs Tina Fitzsimon	Sampling of Necropsy Material Opinions and Interpretations	DUM

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SERUM / PLASMA (SERUM/ PLASMA/ URINE) (SERUM only)	<u>Biochemistry Tests</u> Albumin Alanine Transaminase Amylase Alkaline Phosphatase Aspartate Amino Transferase D3-Hydroxybutyrate Bile acids Total Bilirubin Calcium Chloride Cholesterol Creatinine kinase Creatinine Fructosamine Gamma Glutamyl Transferase Glutamate Dehydrogenase Glucose Glutathione Peroxidase Lipase Magnesium Non-esterified fatty acids Inorganic Phosphorous Potassium Sodium Total Protein Triglycerides Urea Globulin (calculated)	Documented In-house Method SOP/SRUCVS/BCHEMIMOLA using Randox Imola analyser by spectrophotometry and ion selective electrodes	VAL

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SERUM/PLASMA (cont'd)	Biochemistry Tests (cont'd)	Documented In-house Method SOP/SRUCVS/BCHEMIMMULITE using Siemens Immulite 2000XPI. Chemiluminescent enzyme immunoassays	
	Progesterone Vitamin B12		VAL VAL
	Haematology Tests	Documented In-House Method	
WHOLE BLOOD Bovine, Canine, Equine, Feline and Ovine	Haemoglobin Packed cell volume Platelet count Red blood cell count White blood cell count	SOP/SRUCVS/HVETPLUS using Horiba Vet Plus haematology analyser	VAL,
	White blood cell differential count	SOP/SRUCVS/HDIFF using Microscopy	VAL,
ANIMAL FLUIDS AND TISSUES – as specified	Molecular Biology Tests	Documented In-house PCR Methods	
Ovine Blood	Scrapie Genotyping: 136/154/171 Codon	SOP/SRUCVS/MBSCRAPIEPCR (Applied Biosystems Kingfisher Flex extraction system and MagMAX CORE extraction kit). Real time Real time -PCR using Applied Biosystems 7500 / QuantStudio 5	VAL
Porcine Lung Tissue, Swabs and Oral Fluids	Detection of *Mycoplasma hyopneumoniae* DNA	SOP/SRUCVS/MBMHYORETIPCR (Applied Biosystems Kingfisher Flex extraction system and MagMAX CORE extraction kit). Real time PCR using Applied Biosystems 7500 / QuantStudio 5 using VetMAX Reagents and controls	VAL

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANIMAL FLUIDS AND TISSUES – as specified (cont'd)	Molecular Biology Tests (cont'd)	Documented In-house PCR Methods	
Porcine Tonsil/Throat Swabs	Detection of *Actinobacillus pleuropneumoniae* APP 1V toxingene (DNA)	SOP/SRUCVS/MBCONPCR (Applied Biosystems Kingfisher Flex extraction system and MagMAX CORE extraction kit). Nested endpoint PCR (using Applied Biosystems Veriti Pro, with visualisation by agarose gel electrophoresis	VAL
Porcine Throat/Nasal Swabs	Detection of toxigenic *Pasteurella multocida* DNA	SOP/SRUCVS/MBCONPCR (Applied Biosystems KingFisher Flex extraction system and MagMAX COREextraction kit). Nested PCR using Applied Biosystems Veriti Pro, with visualisation by agarose gel electrophoresis	VAL
Porcine spleen, oral fluid and tongue/tail fluid. Pooled and individual: serum, blood, swabs, semen, lung tissue	Detection of Porcine Reproductive and Respiratory Syndrome virus (PRRSV) RNA	SOP/SRUCVS/MBPRRSV (Applied Biosystems MagMAX / Kingfisher Flex extraction system and MagMAX COREextraction kit). Real time RT-PCR using Applied Biosystems 7500 and QuantStudio 5 and Virotype PRRSV 2.0 RT-PCR kit (Indical)	VAL

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANIMAL FLUIDS & TISSUES – as specified (cont'd)	Molecular Biology Tests (cont'd)	Documented In-house PCR Methods	
Bovine serum (individual and pooled) and milk (individual and bulk tank)	Detection of Bovine Viral Diarrhoea virus (BVDV) RNA	SOP/SRUCVS/MBBVDVPCR (Applied Biosystems Kingfisher Flex extraction system and MagMAX CORE extraction kit. Real time RT-PCR using Applied Biosystems 7500 and QuantStudio 5 and the IDEXX RealPCR BVDV RNA Test	VAL
Bovine serum (individual and pooled) and milk (individual and bulk tank)	Detection of Bovine Viral Diarrhoea virus (BVDV) RNA	SOP/SRUCVS/MBBVDVRTPCR (Applied Biosystems Kingfisher Flex extraction system and MagMAX CORE extraction kit. Real time RT-PCR using Applied Biosystems 7500 and QuantStudio 5 and the ID.Vet ID Gene BVDV/BDV Triplex 2.0	VAL
Bovine ear tissue, whole and tissue from Caisley Allflex/Typifix tags	Detection of Bovine Viral Diarrhoea virus (BVDV) RNA Single or pools up to 10	SOP/SRUCVS/MBTISSUEDIGEST and SOP/SRUCVS/MBBVDVEARPCR IDVet IDGene Easy Preparation of Ear Notch Samples 2.0 kit and IDVet IDGene BVDV/BDV Triplex 2.0 kit Using Memmert Universal oven and Applied Biosystems7500 Real-time PCR system or QuantStudio 5 Real-time PCR system	VAL
Bovine Ear Tissue	Detection of Bovine Viral Diarrhoea virus (BVDV) RNA	SOP/SRUCVS/MBBVDVEARPCR Real time RT-PCR using Applied Biosystems 7500 / QuantStudio 5 using INDICAL TLR and virotype BVDV kit	VAL
Porcine Faeces and Oral Fluids	Detection of Transmissible Gastroenteritis Virus (TGEV), Porcine Endemic Diarrhoea Virus (PEDV) and Swine Deltacorona Virus (SDCV) RNA	SOP/SRUCVS/MBTPDPCR (Applied Biosystems Kingfisher Flex extraction system and MagMAX COREextraction kit). RT-PCR using Applied Biosystems 7500 / QuantStudio 5 using Path-ID Multiplex One-Step kit	VAL

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANIMAL FLUIDS & TISSUES – as specified (cont'd)	Molecular Biology Tests (cont'd)	Documented In-house PCR Methods	
Serum	Detection of Border Disease Virus (BDV) and Bovine Viral Diarrhoea Virus (BVDV) RNA	SOP/SRUCVS/MBBORDERDISEASEPCR (Applied Biosystems MagMAX extraction system and MagMAX CORE extraction kit) Real time RT-PCR using Applied Biosystems 7500 using SuperScript III One-Step Quantitative RT-PCR kit	VAL
Ovine serum (individual and pooled) and Ovine Foetal fluid (individual only)	Detection of Border Disease Virus (BDV) RNA	SOP/SRUCVS/MBBDPCR (Applied Biosystems Kingfisher Flex extraction system and MagMAX COREextraction kit) Real time RT-PCR using Applied Biosystems 7500 and QuantStudio 5 and the IDEXX RealPCR BVDV RNA Test	VAL
Porcine Gut Tissue, Faeces (individual and pooled), Faecal Swabs (individual and pooled) and Bacterial Cultures	Detection of *Brachyspira* spp DNA with speciation	SOP/SRUCVS/MBBrachyPCR Applied Biosystems KingFisher Flex extraction system and MagMAX CORE extraction kit. Multiplex real-time PCR using TaqPath 1-Step Multiplex Master Mix and the QuantStudio 5	VAL
Porcine faeces, faecal swabs (individual and pools up to 5) and gut tissue and gut content samples (individual only)	*Detection of Lawsonia intracellularis DNA*	SOP/SRUCVS/MBLAWRTPCR (Applied Biosystems Kingfisher Flex extraction system and MagMAX CORE extraction kit). Real time PCR using Applied Biosystems 7500 and QuantStudio 5 using BactoReal Lawsonia Real-Time PCR	VAL

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANIMAL FLUIDS & TISSUES – as specified (cont'd)	Molecular Biology Tests (cont'd)	Documented In-house PCR Methods	
Esherichia coli isolates cultured from porcine faeces	Detection of *E. coli* Virulence factor adhesion DNA:-F4, F5, F6, F18, F41 and Intimin Enterotoxin and Shiga-toxin producing *E. coli* (ETEC and STEC) Virulence factor DNA:- LTI, STaP, STb and Stx2e	SOP/SRUCVS/MBECOPCR (Applied Biosystems Kingfisher Flex extraction system and MagMAX CORE extraction kit). Multiplex One-Step PCR visualisation using gel electrophoresis using 4.0 Image Analysis system	VAL
Bovine Faeces	Detection of *Mycobacterium avium* sub paratuberculosis (MAP) DNA	SOP/SRUCVS/MBIDGENEMAPPCR Real time PCR using IDVet ID Gene MAP kit (MBMAGFASTMAPEXT ID.Vet ID Gene Mag Fast nucleic acid extraction kit)	VAL
Porcine Oral Fluid, Nasal Swabs, Lung Tissue, Serum, Faeces	Detection of Porcine Circovirus Type 2 (PCV2) DNA	SOP/SRUCVS/MBPCV2PCR (Applied Biosystems KingFisher Flex extraction system and MagMax COREextraction kit). Real time PCR using Applied Biosystems 7500 / QuantStudio 5 using VetMax Porcine Circovirus Type 2 Quantification Kit	VAL
PORCINE ORAL FLUID, NASAL SWABS, LUNG TISSUE, LUNG LAVAGES (BAL WASHES), SERUM	Detection of Swine Influenza Virus (SIV) RNA	SOP/SRUCVS/MBSIVPCR (Applied Biosystems Kingfisher Flex extraction system and MagMax COREextraction kit). Real time RT-PCR using Applied Biosystems 7500 / QuantStudio 5 using VetMax Gold SIV Detection Kit and VetMAX Gold SIV Subtyping Kit. Identification of subtypes H1N1, H3N2 and H1N2.	VAL
Enteric Samples	Detection of Rotavirus	SOP/SRUCVS/MBRotaPAGE using polyacrylamide gel electrophoresis	VAL

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANIMALTISSUES, SWABS, BODY FLUIDS AND NECROPSY MATERIAL, BACTERIAL ISOLATES	Microbiology Tests	Documented In-house Methods	
	Microscopy and microbial culture techniques for detecting pathogenic micro-organisms	SOP/SRUCVS/MSAMPTRANS Sample transfer	ABD, DUM, STB, THU, VAL
		SOP/SRUCVS/MGRAM Gram Stain	ABD, DUM, STB, VAL
		UG/SRUCVS/52 Basic Bacteriological Techniques UG/SRUCVS/53 Routine Culture Plate and Smear Selection	VAL
	Isolation and identification of bacteria from the central nervous system	SOP/SRUCVS/MCNS: Central nervous system	VAL
	Isolation and identification of bacterial isolates from ear, mouth and eyes	SOP/SRUCVS/MEME: Ear/mouth/eye fluid/swabs	VAL
	Isolation and identification of bacteria from the respiratory system	SOP/SRUCVS/MRES: Respiratory system	VAL
(Milk, Mammary secretions and tissue)	Isolation and identification of bacteria from milk and mammary tissue	SOP/SRUCVS/MMA: Milks	VAL
(Urine)	Isolation and identification of bacteria from urine	SOP/SRUCVS/MUR: Urine	VAL
	Isolation and identification of anaerobic bacteria	SOP/SRUCVS/MANIS: Anaerobic bacteria	VAL
	Isolation and identification of bacteria from wounds, abscesses and pus	SOP/SRUCVS/MWA: Wounds/abscess swabs/pus	VAL
(Bovine,Caprine and Ovine Foetal material)	Detection, Isolation and Identification of microorganism causes of abortion	SOP/SRUCVS/MABORT Laboratory investigation of Abortion	VAL

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
TISSUES, BODY FLUIDS AND NECROPSY MATERIAL	Microbiology Tests (cont'd)	Documented In-house Methods	
	Isolation and identification of bacteria from necropsy material and miscellaneous samples	SOP/SRUCVS/MNMS: Necropsy material/ Miscellaneous samples	VAL
	Isolation and identification of fungi	SOP/SRUCVS/MFUNGI	VAL
Foetal stomach contents	Detection of fungal hyphae	SOP/SRUCVS/MFUNGI by microscopy	ABD, STB, DUM, VAL
Veterinary Bacterial Colonies from solid media	Identification based upon bacterial protein profile matching against Bruker and in house databases	SOP/SRUCVS/MMALDI using the Bruker MALDI-TOF MS system and MBT subtyping module	VAL
ANIMAL FAECAL MATERIAL	Isolation and identification of haemolytic *Brachyspira*	SOP/SRUCVS/MBRACHY using selective culture and biochemical tests for Brachyspira identification	VAL
ANIMALTISSUES, BODY FLUIDS AND NECROPSY MATERIAL, SWABS, ENTERIC, ENVIRONMENTAL AND LITTER SAMPLES	Isolation and identification of *Salmonella* spp	SOP/SRUCVS/MSALSCREEN using Selenite or Rappaports (species dependent)	VAL
Enteric Samples	Detection of *Cryptosporidium* oocysts	SOP/SRUCVS/PCRYPTO by microscopy with staining by cold ZN	DUM, VAL
Enteric Samples, Genital Samples, Placental and Foetal Samples	Isolation of *Campylobacter* spp	SOP/SRUCVS/MCAMPY- selective culture	VAL
TISSUES, FLUIDS	Isolation and determination of *Brucella* spp	SOP/SRUCVS/MBRU – selective culture	VAL
Animal tissues, Body Fluids, swabs and necropsy material	Isolation and identification of *Yersinia* spp	SOP/SRUCVS/MYERS	VAL

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
TISSUES, BODY FLUIDS AND NECROPSY MATERIAL (cont'd)	Microbiology Tests (cont'd)	Documented In-house Methods	
Skin, Hair and scabs	Detection and isolation of *Dermatophilus congolensis*	SOP/SRUCVS/MDERM by culture and microscopy	VAL
Skin & Hair	Detection and isolation of Dermatophytes	SOP/SRUCVS/MSHA – examination and culture	VAL
Bacterial Isolates	Determination of antibiotic susceptibility	SOP/SRUCVS/MAST	VAL
Tissue Smears	Detection of *Chlamydia* spp, *Brucella* spp & *Coxiella* spp (presumptive)	SOP/SRUCVS/MMZN by microscopy using modified Ziehl-Neelsen stain	ABD, DUM, STB, VAL
BLOOD SMEARS	Detection of *Bacillus anthracis* (presumptive)	SOP/SRUCVS/MANTH by microscopy using polychrome methylene blue stain	ABD, DUM, STB, THU, VAL
TISSUES, FAECES	Detection of acid fast bacilli including presumptive Johnes	SOP/SRUCVS/MMYCOB by microscopy using Ziehl-Neelsen stain	ABD, DUM, STB, VAL
ANIMAL FLUIDS AND TISSUES – as specified	Sampling	Documented In-house Methods	
Mammalian & Avian Species	Necropsy procedures on Farm Animal carcasses to collect tissue samples for diagnostic examination	VPMFARM	ABD, DUM, STB, THU
Mammalian & Avian Species	Necropsy procedures on carcasses to collect tissue samples for diagnostic examination	VPMCOMPANION	ABD, DUM, STB, THU, VAL2

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANIMAL FLUIDS AND TISSUES – as specified (cont'd)	Serology Tests	Documented In-house Methods	
Serum, Plasma, whole blood, milk (individual and bulk samples), ear tissue	Detection of antigens and antibodies	Methods developed and validated following the Flexible Scope: FLEXELISA - using direct, indirect, competitive and non-competitive manual ELISA for commercial ELISA kits and manufacturers validated matrices	VAL
Bovine Serum, Plasma	Detection of antibodies to Bovine Viral Diarrhoea (BVD)	SOP/SRUCVS/SBVDP80 IDEXX using Idexx BVDV p80 Ab ELISA	VAL
Bovine, Ovine Serum, Plasma	Detection of antibodies to Bovine Viral Diarrhoea (BVD) / Border Disease (BD)	SOP/SRUCVS/SBVDP80 IDVET using ID Screen BVDV p80 Ab competition ELISA	VAL
Bovine, Ovine, Caprine Serum, Plasma	Detection of antibodies to *Mycobacterium avium* sub paratuberculosis (Johnes)	SOP/SRUCVS/SJOHNESIDVET using ID Screen® Paratuberculosis Indirect	VAL
Bovine Serum, Plasma	Detection of antibodies to *Leptospira hardjo*	SOP/SRUCVS/SLEPTO using PrioCHECK® L.Hardjo Ab ELISA	VAL
Bovine Serum, Plasma	Detection of antibodies to Infectious Bovine Rhinotracheitis Virus (IBR)	SOP/SRUCVS/SIBRgB using Idexx IBR (BHV-1) gB Ab ELISA (competitive)	VAL
Bovine Serum, Plasma	Detection of antibodies to gE Antigen of Bovine Herpes Virus Type 1 (BHV-1)	SOP/SRUCVS/SIBRGE using Idexx IBRgE ELISA	VAL
Bovine Serum, Plasma	Detection of antibodies to *Neospora canium*	SOP/SRUCVS/SNEOSPORA VMRD using VMRD Neospora canium cELISA	VAL
Bovine, Ovine, Caprine, Serum, Plasma	Detection of antibodies to Schmallenberg Virus	SOP/SRUCVS/SBVELISA using ID Screen® Schmallenberg virus indirect ELISA	VAL
Bovine, Ovine, Caprine, Milk (Bulk and Individual	Detection of antibodies to Schmallenberg Virus	SOP/SRUCVS/SBVELISA using ID Screen® Schmallenberg virus indirect ELISA	VAL

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANIMAL FLUIDS AND TISSUES – as specified (cont'd)	Serology Tests (cont'd)	Documented In-house Methods	
Ovine Serum, Plasma	Detection of antibodies to *Toxoplasma gondii*	SOP/SRUCVS/STOXIDVET using ID Screen Toxoplasmosis Inderect Multi-species ELISA	VAL
Ovine, Caprine Serum, Plasma (including pooled samples)	Detection of antibodies to Maedi-visna (MV) and Caprine arthritis-encephalitis (CAE)	SOP/SRUCVS/SMVIDVETMV using ID VET ELISA	VAL
Ovine, Caprine Serum, Plasma	Detection of antibodies to Maedi-visna (MV) and Caprine arthritis-encephalitis (CAE)	SOP/SRUCVS/SELITESTMVELISA using ELITEST	VAL
Ovine Serum	Detection of antibodies to Chlamydophila abortus	SOP/SRUCVS/SCHLAM by ID VET ELISA	VAL
Porcine Serum, Plasma	Detection of antibodies to Porcine Reproductive and Respiratory Syndrome Virus (PRRSV)	SOP/SRUCVS/SPRRS using IDEXX PRRS x3 ELISA kit	VAL
	Virology Tests	Documented In-house Methods	
Bovine Serum Plasma, Blood and Ear Tissue	Detection of bovine viral Diarrhoea	Idexx BVDV Antigen ELISA (Erns ELISA)	VAL

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
RESULTS OF DIAGNOSTIC TESTS AND POST-MORTEM EXAMINATIONS, as detailed in this Schedule	Opinions and Interpretations Diagnosis for the control and prevention of disease in farm and companion animals, either single or multiple	Documented in-house procedures	ABD, DUM, STB, THU, VAL,
END			