

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



2028

Accredited to
ISO/IEC 17025:2017

Abu Dhabi Agriculture and Food Safety Authority (ADAFSA)

Issue No: 047 Issue date: 04 April 2025

PO Box 52150
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United Arab Emirates

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Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Head Quarters:

| Location details | Activity | Location code |
|--|--|---|
| Address PO Box: 52150 Mohammed Bin Zayed City Abu Dhabi United Arab Emirates | Local contact Aysha Ali Al Shamsi Management Representative | Support Functions: Quality Management Systems co-ordination including document control, , internal audits, ICT, purchasing and supplies |
| | | A |

Laboratory locations:

| Location details | Activity | Location code |
|---|--|---|
| Address Al Wathba Veterinary Hospital Baniyas PO Box 10829 Abu Dhabi United Arab Emirates | Local contact Aysha Ali Al Shamsi Management Representative | Veterinary samples Biochemistry, Haematology, Microbiological, Parasitology, Molecular Biology and Immunological Testing |
| | | C |
| Address Veterinary Services Section Al Qattara PO Box 1004-6 Al Ain United Arab Emirates | Local contact Aysha Ali Al Shamsi Management Representative | Veterinary samples Biochemistry, Haematology, Microbiological, Parasitology and Immunological Testing |
| | | D |



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DETAIL OF ACCREDITATION

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|--|---------------|
| ANIMAL BODY FLUIDS: | <u>Biochemical Tests</u> | Documented In-house Standard Operating Procedures (SOPs) | |
| Bovine, cameline, caprine, cervine, equine and ovine blood and serum | Blood Chemistry Profile: total protein, albumin, glucose, creatinine, creatine kinase (CK), alkaline phosphatase (ALP), copper, aspartate transaminase (AST), lactate dehydrogenase (LDH), gamma glutamyl transaminase (GGT), blood urea nitrogen (BUN), alanine aminotransferase (ALT), calcium, Iron, sodium, potassium, chloride, phosphorous and zinc | BSAD-LS-CBCTM-08 using Roche Cobas analysers | C, D |
| | Lactic acid | BSAD-LS-CBCTM-08 using Roche Cobas analysers | D |
| Bovine, cameline, caprine, equine and ovine serum | Progesterone | BSAD-LS-CBCTM-18 using Roche Cobas analysers | D |
| Bovine, cameline, caprine, cervine, equine and ovine serum | Vitamin A & E | BSAD-LS-CBCTM-14 by HPLC UV detector | D |
| Bovine, cameline, caprine, cervine, equine and ovine EDTA blood | Vitamin B1 | BSAD-LS-CBCTM-13 by HPLC Fluorescence detector | D |
| ANIMAL BODY FLUIDS | <u>Haematological Tests</u> | Documented In-house Standard Operating Procedures (SOPs) | |
| Cameline, caprine, ovine, bovine and equine whole blood (EDTA anti-coagulant) | RBC – full count haemoglobin, haematocrit, MHC, MCHC and MCV WBC – full count and differential count (neutrophils, lymphocytes, monocytes, basophils and eosinophils) excluding platelet and reticulocyte counts | BSAD-LS-CBCTM-23 using Sysmex XN 1000V | C, D |



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| ANIMAL BIOLOGICAL FLUIDS AND FAECES | <u>Parasitology Tests</u> | Documented In-house Standard Operating Procedures (SOPs) | |
| Faeces | Detection and identification of worm eggs and coccidial oocytes | BSAD-LS-MBMTM-06 by saturated salt flotation | C, D |
| Blood | Detection of blood parasites to genus level for <i>Anaplasma</i> spp, <i>Babesia</i> spp, <i>Theileria</i> spp and <i>Trypanosoma</i> spp | BSAD-LS-MBMTM-36 Giemsa staining and light microscopy | C, D |
| Skin Scrapings and Hairs | Identification of Mange Mites | BSAD-LS-MBMTM-75 Diagnosis of Mange by Microscopic Examination: a) Direct Microscopy b) Sedimentation Microscopy | C |
| ANIMAL TISSUES, BIOLOGICAL FLUIDS AND FAECES | <u>Microbiological Tests</u> | Documented In-house Standard Operating Procedures (SOPs) | |
| Animal tissues (excluding avian) | Isolation of <i>Salmonella</i> spp | BSAD-LS-MBMTM-11 based on OIE Terrestrial Manual 2010 | C, D |
| Tissues, Faeces and Body Fluids | Detection of Acid Fast Bacilli | BSAD-LS-MBMTM-01 using Kinyoun acid fast stain and light microscopy | C, D |
| Bovine, cameline, caprine and ovine milk | Isolation and identification of aerobic, anaerobic bacteria and <i>Candida</i> spp | BSAD-LS-MBMTM-20 using Vitek and / or API | C, D |
| Tissues, swabs, urine, fluids/aspirates, abscesses, open and deep wound sites | General isolation and characterisation of bacteria and yeasts of veterinary clinical significance | BSAD-LS-MBMTM-23 Routine Bacteriology Culture by direct plating and enrichment, identification by VITEK 2 and/or API | C, D |
| Whole fish (kidney, liver and spleen) | <u>Identification of Bacterial Fish Pathogens at Genus and or Species Levels</u> | BSAD-LS-FDTM-03 for bacterial pathogens isolated at 22C for up to 48h. Identification using Vitek2 | D |



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| BACTERIAL ISOLATES | <u>Microbiological Tests</u> | Documented In-house Standard Operating Procedures (SOPs) | |
| Enterobacteriaceae <i>Pseudomonas</i> spp <i>Staphylococcus</i> spp | Screening against antimicrobials to generate a susceptibility profile | BSAD-LS-MBMTM-02 by disc diffusion based on CLSI guidelines | C, D |
| <i>Pasteurella</i> spp <i>Mannheimia haemolytica</i> | Screening against antimicrobials to generate a susceptibility profile | BSAD-LS-MBMTM-02 by disc diffusion based on CLSI guidelines | C |
| <i>Pasteurella multocida</i> | Screening against antimicrobials to generate a susceptibility profile | BSAD-LS-MBMTM-02 disc diffusion method based on CLSI standard | D |
| Bacterial and yeast isolates of animal origin | Identification of aerobic and anaerobic bacteria and <i>Candida</i> spp | BSAD-LS-MBMTM-46 using Vitek2 | C, D |
| | Identification using protein profiling analysis against a proprietary database | VLD-DPM-MBM-100 Microorganism identification using VITEK MS Maldi TOF system | C |
| ANIMAL TISSUE AND BODY FLUIDS | <u>Molecular Biology Tests</u> | Documented In-house Standard Operating Procedures (SOPs) | |
| Bovine, cameline, caprine and ovine, blood, blood cultures, serum and tissue from foetus, liver, lymph nodes, placenta and spleen | Detection of <i>Brucella</i> spp DNA | BSAD-LS-MBMTM-19 using EZ1 DNA Tissue Kit by automated extraction and QIAamp DNA Mini Kit by manual extraction and Real Time PCR using 1.5 and 2.0 Roche Lightcyclers | C |
| | Detection of <i>Brucella abortus</i> DNA | BSAD-LS-MBMTM-10 using EZ1 DNA Tissue Kit by automated extraction and QIAamp DNA Mini Kit by manual extraction and Real Time PCR using 1.5 and 2.0 Roche Lightcyclers | C |
| | Detection of <i>Brucella melitensis</i> DNA | BSAD-LS-MBMTM-18 using EZ1 DNA Tissue Kit by automated extraction and QIAamp DNA Mini Kit by manual extraction and Real Time PCR using 1.5 and 2.0 Roche Lightcyclers | C |



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| ANIMAL TISSUE AND BODY FLUIDS (cont'd) | <u>Molecular Biology Tests</u> (cont'd) | Documented In-house Standard Operating Procedures (SOPs) | |
| Nasal Swab and Lung Tissue | Detection of <i>Pasteurella multocida</i> target gene sequence | BSAD-LS-MBMTM-64 in-house conventional PCR assay using BioRad T100 and Eppendorf thermocyclers* with gel electrophoresis band visualisation | C |
| Nasal swabs: Bovine, cameline, caprine and ovine | Detection of Middle East Respiratory Syndrome Corona Virus (MERS-CoV) RNA | BSAD-LS-MBMTM-25 by EZ1 RNA Virus mini kit using automated extraction and QIAamp RNA Mini Kit by manual extraction. PCR ModularDx Coronavirus RTPCR kit using Real Time PCR using 1.5 and 2.0 Roche Lightcylers | C |
| Cameline skin tissue | Detection of pox virus DNA (CMLV) | BSAD-LS-MBMTM-27 using EZ1 DNA Tissue Kit by automated extraction and BSAD-LS-MBMTM-08 manual extraction using QIAamp DNA Mini Kit BSAD-LS-MBMTM-63 real time PCR using the Roche LC 2.0/Rotor-Gene Q/qTOWER3. | C |
| Blood | Detection of <i>Trypanosoma evansi</i> DNA | BSAD-LS-MBMTM-40 in-house conventional PCR assay using the AmpliTaqGold™ 360 kit on the Eppendorf or BioRad thermocyclers supported by extraction procedures BSAD-LS-MBMTM-27 EZ1, BSAD-LS-MBMTM-08 and BSAD-LS-MBMTM-96 Taco™ NA Automatic System | C |



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| ANIMAL TISSUE AND BODY FLUIDS (cont'd) | <u>Molecular Biology Tests</u> (cont'd) | Documented In-house Standard Operating Procedures (SOPs) | |
| Caprine and ovine tissue and swabs | Detection of Peste des Petits Ruminants Virus (PPRV) RNA | BSAD-LS-MBMTM-62 by one-step real- time qRT-PCR using One Step PrimeScript™ 2X (TaKaRa) kit or Roche RealTime ready RNA Virus Master on the Bio-Rad CFX96 or Rotor- Gene Q thermal cyclers supported by automated extraction procedures BSAD-LS-MBMTM-96 or BSAD-LS-MBMTM-26 or BSAD-LS-MBMTM-136 | C |
| Shrimp tissue | Detection of White Spot Syndrome Virus (WSSV) DNA | BSAD-LS-FDTM-04 using the One Step PrimeScript™ 2X (TaKaRa) kit or QuantiFast Probe RT-PCR Master Mix 2X on the Bio-Rad CFX96, qTOWER G or Rotor- Gene Q thermal cyclers supported by extraction procedures BSAD-LS-MBMTM-27 EZ1, BSAD-LS-MBMTM-08 and BSAD-LS-MBMTM-96 Taco™ NA Automatic System | C |
| Bovine tissue | Detection of Bovine Viral Diarrhea Virus (BVDV) RNA | BSAD-LS-MBMTM-101 using the Real-time ready RNA virus master kit (Roche) or One-Step PrimeScript RT-PCT kit (Perfect Real Time) (Takara) on the BioRad CFX-96, qTower 3G or Rotorgene Q thermal cyclers supported by extraction procedures BSAD-LS-MBMTM-29, BSAD-LS-MBMTM-26 or BSAD-LS-MBMTM-96 | C |



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| ANIMAL BODY FLUIDS | <u>Serology Tests</u> | Documented In-house Standard Operating Procedures (SOPs) | |
| Bovine, cameline, caprine and ovine serum | Detection of antibodies to <i>Brucella abortus</i> | BSAD-LS-MBMTM-22 by ID Vet indirect ELISA | C, D |
| | Detection of antibodies to <i>Brucella abortus</i> | BSAD-LS-MBMTM-56 by Ingezim blocking ELISA | C, D |
| | Detection and Identification of Blue Tongue Virus antibodies | BSAD-LS-MBMTM-54 by IDVet ID Screen Competitive ELISA | C, D |
| | Detection of antibodies to Q Fever (<i>Coxiella burnetii</i>) | BSAD-LS-MBMTM-73 by IDEXX ELISA using manual processing and reading by spectrophotometer. | C, D |
| | Detection of anti-Rift Valley Fever nucleoprotein antibodies | BSAD-LS-MBMTM-55 using IDVet RVF competition ELISA Multi-Species | C |
| Bovine, caprine and ovine serum | Detection of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> (MAP) (Johne's) antibodies | BSAD-LS-MBMTM-16 by IDEXX indirect ELISA | C, D |
| | Detection of antibodies to <i>Brucella abortus</i> | BSAD-LS-MBMTM-17 by rapid slide agglutination | C, D |
| | Detection of Foot and mouth Disease virus (FMDV) antibodies | BSAD-LS-MBMTM-152 ELISA (IDVET) NSP antibody kit for the detection of antibodies from natural infection using the short incubation protocol | C, D |
| Caprine and ovine serum | Detection of Peste Des Petitis Ruminants Virus (PPRV) antibodies | BSAD-LS-MBMTM-42 by IDVet competitive ELISA using manual processing and reading by spectrophotometer | C, D |
| Cameline serum | Detection of Peste Des Petitis Ruminants Virus (PPRV) antibodies | BSAD-LS--MBMTM-153 by IDVet competitive ELISA using manual processing and reading by spectrophotometer | C |



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| ANIMAL BODY FLUIDS (Cont'd) | <u>Serology Tests (Cont'd)</u> | Documented In-house Standard Operating Procedures (SOPs) | |
| Bovine, cameline, caprine and ovine blood | Detection of <i>Chlamydomphila abortus</i> antibodies | BSAD-LS-MBMTM-30 by IDEXX ELISA | C, D |
| Nasal swabs: Bovine, cameline, caprine and ovine | Detection of Middle East Respiratory Syndrome Corona Virus (MERS-CoV) antigen | BSAD-LS-MBMTM-33 by Bionote immunochromatographic assay (ICA) | C |
| END | | | |