Schedule of Accreditation

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Abu Dhabi Agriculture and Food Safety Authority (ADAFSA)

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PO Box 52150
Mohammed Bin
Zayed City
Abu Dhabi
United Arab Emirates

Contact: Dr. Abdulla Esam Lutfi Al Hamd
Tel: 00971 501020508 /mobile 00971 501020508
E-Mail: abdulla.alhamd@ADAFSA.GOV.AE
Website: www.adafsa.gov.ae

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** Dr. Abdulla Esam Lutfi Al Hamd 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** Dr. Abdulla Esam Lutfi Al Hamd 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** Dr. Abdulla Esam Lutfi Al Hamd Management Representative	**Veterinary samples** Biochemistry, Haematology, Microbiological, Parasitology and Immunological Testing	D

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 EDTA blood	Vitamin B1	BSAD-LS-CBCTM-13 by HPLC Fluorescence detector	D
	<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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANIMAL BIOLOGICAL FLUIDS AND FAECES	Parasitology Tests	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 *Anaplasma* spp, *Babesia* spp, *Theileria* spp and *Trypanosoma* 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	Microbiological Tests	Documented In-house Standard Operating Procedures (SOPs)	
Animal tissues (excluding avian)	Isolation of *Salmonella* 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 *Candida* spp	BSAD-LS-MBMTM-20 using Vitek	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	C, D
Whole fish (kidney, liver and spleen)	Identification of Bacterial Fish Pathogens at Genus and or Species Levels	BSAD-LS-FDTM-03 for bacterial pathogens isolated at 22C for up to 48h. Identification using Vitek2	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BACTERIAL ISOLATES	Microbiological Tests (cont'd)	Documented In-house Standard Operating Procedures (SOPs)	
Enterobacteriaceae *Pseudomonas* spp *Staphylococcus* spp	Screening against antimicrobials to generate a susceptibility profile	BSAD-LS-MBMTM-02 by disc diffusion based on CLSI guidelines	C, D
Pasteurella spp *Mannheimia haemolytica*	Screening against antimicrobials to generate a susceptibility profile	BSAD-LS-MBMTM-02 by disc diffusion based on CLSI guidelines	C, D
Pasteurella multocida	Screening against antimicrobials to generate a susceptibility profile	BSAD-LS-MBMTM-02 by disc diffusion method based on CLSI standard	D
Bacterial and yeast isolates of animal origin	Identification of aerobic and anaerobic bacteria and *Candida* 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	Molecular Biology Tests	Documented In-house Standard Operating Procedures (SOPs)	
Nasal Swab and Lung Tissue	Detection of *Pasteurella multocida* target gene sequence	BSAD-LS-MBMTM-64 in-house conventional PCR assay using BioRad T100 and Eppendorf thermocyclers* with gel electrophoresis band visualisation	C
Blood	Detection of *Trypanosoma evansi* 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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANIMAL TISSUE AND BODY FLUIDS (cont'd)	Molecular Biology Tests (cont'd)	Documented In-house Standard Operating Procedures (SOPs)	
Abortion materials, vaginal discharge, udder secretions, tissues (post-mortem) from farm animals: cattle, sheep, goat, camel and wildlife	Detection of *Brucella* spp DNA	BSAD-LS-MBMTM-178 Real-time PCR using TaKaRa One Step PrimeScript TM kit or Qiagen QuantiNova Probe PCR kit on the BioRad CFX 96 thermocycler supported by automated extraction procedures BSAD-LS-MBMTM-27 EZ1 or BSAD-LS-MBMTM-08 manual or BSAD-LS-MBMTM-96 Taco	D
	Identification of *Brucella abortus*	BSAD-LS-MBMTM-179 Real-time PCR using TaKaRa One Step PrimeScript TM kit or Qiagen QuantiNova Probe PCR kit on the BioRad CFX 96 thermocycler supported by automated extraction procedures BSAD-LS-MBMTM-27 EZ1 or BSAD-LS-MBMTM-08 manual or BSAD-LS-MBMTM-96 Taco	D
	Identification of *Brucella melitensis*	BSAD-LS-MBMTM-180 Real-time PCR using TaKaRa One Step PrimeScript TM kit or Qiagen QuantiNova Probe PCR kit on the BioRad CFX 96 thermocycler supported by automated extraction procedures BSAD-LS-MBMTM-27 EZ1 or BSAD-LS-MBMTM-08 manual or BSAD-LS-MBMTM-96 Taco	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANIMAL TISSUE AND BODY FLUIDS (cont'd)	Molecular Biology Tests (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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANIMAL BODY FLUIDS	Serology Tests	Documented In-house Standard Operating Procedures (SOPs)	
Bovine, cameline, caprine and ovine serum	Detection of antibodies to *Brucella abortus*	BSAD-LS-MBMTM-56 by Ingezim blocking ELISA	C, D
	Detection of antibodies to *Brucella abortus*	BSAD-LS-MBMTM-177 by rapid slide agglutination using IDEXX antigen kit	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 (*Coxiella burnetii*)	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 *Mycobacterium avium* subspecies *paratuberculosis* (MAP) (Johne's) antibodies	BSAD-LS-MBMTM-16 by IDEXX indirect ELISA	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
	Detection of antibodies to *Brucella abortus*	BSAD-LS-MBMTM-22 by ID Vet indirect ELISA	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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANIMAL BODY FLUIDS (cont'd)	Serology Tests (cont'd)	Documented In-house Standard Operating Procedures (SOPs)	
Bovine, cameline, caprine and ovine blood	Detection *of Chlamydophila abortus* 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			