


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>2787</b> <b>Accredited to ISO/IEC 17025:2017</b>	<b>Biobest Laboratories Limited, also trading as PHS Diagnostics and Data Analysis</b>	
	<b>Issue No: 026 Issue date: 09 June 2020</b>	
	<b>6 Charles Darwin House The Edinburgh Technopole Milton Bridge Nr Penicuik Edinburgh Midlothian EH26 0PY</b>	<b>Contact: Mr S Marshall Tel: +44 (0)131 440 2628 Fax: +44(0)131 440 9587 E-Mail: <a href="mailto:stuart.marshall@biobest.co.uk">stuart.marshall@biobest.co.uk</a> Website: <a href="http://www.biobest.co.uk">www.biobest.co.uk</a></b>
<b>Testing performed by the Organisation at the locations specified</b>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<b>Address</b> 6 Charles Darwin House The Edinburgh Technopole Milton Bridge Nr Penicuik Edinburgh Midlothian EH26 0PY	<b>Local contact</b> Stuart Marshall	Serology Virology Molecular Biology
<b>Address</b> Milton Building (T/A PHS Diagnostics and Data Analysis) Pentland Science Park Bush Loan Penicuik Edinburgh EH26 0PY	<b>Local contact</b> Stuart Marshall	Microbiology



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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 FEEDING STUFFS Feed and Feed Ingredients	<u>Microbiological Tests</u>	Documented In-house Methods	
	Detection of:  <i>Salmonella</i> spp	1. PRO/233 using BPW and selective enrichment in RV, plating onto BGA and confirmation using biochemical and serological tests (for screening purposes only)	B
	Enumeration of:  Enterobacteriaceae	2. PRO/232 based on BS EN ISO 6579-1:2017 for the purpose of the ABP (Enforcement) (England) Regulation (ABPR) 2013 implementing Regulation (EU) No 142/2011	B
Feed and Feed Ingredients,	Total Aerobic Colony Count	PRO/234 based on ISO 21528-2:2017 for the purpose of the Animal By-Products (Enforcement) (England) Regulation (ABPR) 2013 implementing Regulation (EU) No 142/2011	B
		PRO/231 using Plate Count Agar, incubation at 30°C for 48hours	B



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ENVIRONMENTAL SAMPLES Boot swabs, surface swabs, dust, chick papers, hatchery tray liners, composite faeces, chick carcasses, meconium, cloacal swabs	<u>Microbiological Tests (cont'd)</u>  Detection of:  <i>Salmonella</i> spp (motile)	Documented In-house Methods (cont'd)  PRO/225 based on ISO 6579-1:2017; confirmation using biochemical and serological tests for the purpose of the Control of Salmonella in Poultry Order (CSPO)(England) 2007	B
Carcass and Environmental swabs	<i>Salmonella</i> spp	PRO/232 based on BS EN ISO 6579-1:2017 for the purpose of the Animal By-Products (Enforcement) (England) Regulation (ABPR) 2013 implementing Regulation (EU) No 142/2011	B
Carcass and Environmental swabs,	Enumeration of:  Enterobacteriaceae	PRO/234 based on ISO 21528-2:2017 for the purpose of the Animal By-Products (Enforcement) (England) Regulation (ABPR) 2013 implementing Regulation (EU) No 142/2011	B
Carcass and Meat Hygiene swabs	Total Aerobic Colony Count	1.PRO/231 based on BS EN ISO 4833-1:2013 at 30°C for 72hours	B
Environmental swabs		2.PRO/231 using Plate Count Agar, incubation at 30°C for 48hours	B



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COMPOST / COMPOSTS	<u>Microbiological Tests (cont'd)</u> Detection of: <i>Salmonella</i> spp (motile)	Documented In-house Methods (cont'd)  PRO/225 based on BS EN ISO 6579 based on ISO 6579-1:2017 for the purpose of the ABP (Enforcement) (England) Regulation (ABPR) 2013 implementing Regulation (EU) No 142/2011	B
ENVIRONMENTAL SAMPLES, Chick papers, carcasses, meconium	<i>Salmonella</i> spp including <i>pullorum/gallinarum</i> and <i>arizona</i>	PRO/229 using selective enrichment in Selenite F broth, plating onto BGA; confirmation using biochemical and serological tests for the purpose of the Trade in Animals and Related Products Regulation 2011 (TARP)/Poultry Health Scheme (PHS) implementing Council Directive 2009/158/EC	B
FOOD AND FOOD PRODUCTION Eggs	<i>Salmonella</i> spp	PRO/230 for the purpose of the Lion Egg Code (2013) using BPW and enrichment in RVS, plating onto BGA and XLD; confirmation using biochemical and serological tests	B



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VETERINARY SAMPLES	<u>Serological Tests</u>	Documented In-house Methods (cont'd)	
Chicken and Turkey Serum	Detection of antibodies to: <i>Mycoplasma gallisepticum</i> , <i>Salmonella pullorum</i>	PRO/221 using a rapid plate agglutination test for the purpose of the Trade in Animals and Related Products Regulation 2011 (TARP)/Poultry Health Scheme (PHS) implementing Council Directive 2009/158/EC	A
Turkey Serum	<i>Mycoplasma synoviae</i>	PRO/221 using a rapid plate agglutination test	A
	<i>Mycoplasma meleagridis</i>	PRO/221 using a rapid plate agglutination test for the purpose of the Trade in Animals and Related Products Regulation 2011 (TARP)/Poultry Health Scheme (PHS) implementing Council Directive 2009/158/EC	A
	<i>Mycoplasma meleagridis</i>	PRO/223 using BioCheck <i>Mycoplasma meleagridis</i> ELISA Antibody Test kit for the purpose of the Trade in Animals and Related Products Regulation 2011 (TARP)/Poultry Health Scheme (PHS) implementing Council Directive 2009/158/EC	A



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Chicken serum	<u>Serological Tests</u> (cont'd) Detection of antibodies to: Avian Influenza Virus	Documented In-house Methods (cont'd)  PRO/222 using the BioChek ELISA Antibody Test kit for the purpose of the Trade in Animals and Related Products Regulation 2011 (TARP)/Poultry Health Scheme (PHS) implementing Council Directive 2009/158/EC	A
ANIMAL AND FISH TISSUES AND FLUIDS			
Bovine Serum and Milk	Detection of antibodies to <i>Neospora Canium</i>	SOP/PRO/120 by ELISA (Svanova)	A
Bovine serum, plasma and milk	Detection of antibodies to Bovine Viral Diarrhoea Virus (BVD)	SOP/PRO/010, by ELISA (in-house)	A
	Detection of antibodies to Bovine Viral Diarrhoea Virus (BVD)	SOP/PRO/274 using Svanovir BVDV Ab ELISA kit	A
	Detection of antibodies to Infectious Rhinotracheitis Virus (IBRV)	SOP/PRO/007, by ELISA (in-house)	A
	Detection of antibodies to <i>Mycobacterium avium</i> sub. <i>paratuberculosis</i>	SOP/PRO/043, by ELISA (Pourquier)	A
	Detection of Bovine Herpesvirus 1 (BHV-1) Glycoprotein E (gE) blocking antibodies	SOP/PRO/139, by ELISA (IDEXX HerdChek)	A



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ANIMAL AND FISH TISSUES AND FLUIDS (cont'd)	<u>Virological Tests</u>	Documented In-house Methods (cont'd)	
Cell culture supernatants of fish tissue and gonadal fluid	Isolation and confirmation of Infectious Pancreatic Necrosis Virus (IPNV)	SOP/PRO/106, by cell culture ) and SOP/PRO/177 by ELISA (test- line)	A
Blood, Serum, Plasma and Ear Tissue	Detection of bovine Viral Diarrhoea Virus (BVDV)	SOP/PRO/146 by ELISA (IDEXX Herdchek BVDV Ag/Serum plus kit)	A
Blood, Serum and Milk	Detection of Antibodies to <i>Leptospira Hardjo</i>	SOP/PRO/149 by ELISA (Linnodee Animal Care ELSIA kit)	A
Serum	Detection of neutralising antibody to Bovine Herpes virus 1 (Infectious Bovine Rhinotracheitis virus)	SOP/PRO/018 by VNT	A
Serum	Detection of Neutralising antibody to Bovine viral diarrhoea virus	SOP/PRO/046 by VNT	A
Serum	Detection of neutralising antibody to Equine Arteritis Virus (EAV)	SOP/PRO/013 by VNT	A
Serum	Detection of Antibodies to Equine Infectious Anaemia	SOP/PRO/117 by Agar Gel Immunodiffusion (AGID)	A
ENVIRONMENTAL SAMPLES - Biowaste			
Parvovirus culture (in vials as supplied to the customer)	Isolation and titre determination of canine parvovirus	SOP/PRO/151 by cell culture and FAT	A



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Bovine, Ovine Faeces (pooled and individual)	<u>Molecular Biology Tests</u> Detection of <i>Mycobacterium paratuberculosis</i> DNA	SOP/PRO/271 Extraction using mechanical lysis by MagMAX CORE™ Total Nucleic Acid Purification Kit and detection using Rotor-Gene 6000 and Taqman Real Time PCR kit	A
Bovine, Ovine Blood, Serum, Ear Tissue and Milk (pooled and individual)	Detection of Bovine Viral Diarrhoea Virus and Border Disease RNA (BVDV/BDV) (screening)	SOP/PRO/213 Extraction Kingfisher Flex automation and manual using the MAgMAX-96 Viral RNA kit and detection of BVDV /BDV using Rotagene 6000 and BVDV/BDV 4ALL PCR kit BVDV confirmed using ELISA	A
Meat samples – Domestic Pig, Wild Boar and Horse	<u>Microscopic Analysis</u> Detection of <i>Trichinella</i> larvae	SOP/CLI/038 digestion of meat samples followed with direct detection by microscopy	A
END			