


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

| | | |
|---|--|---|
|  2787 Accredited to ISO/IEC 17025:2005 | Biobest Laboratories Limited, also trading as PHS Diagnostics and Data Analysis | |
| | Issue No: 022 Issue date: 26 June 2018 | |
| | 6 Charles Darwin House The Edinburgh Technopole Milton Bridge Nr Penicuik Edinburgh Midlothian EH26 0PY | Contact: Mr S Marshall Tel: +44 (0)131 440 2628 Fax: +44(0)131 440 9587 E-Mail: stuart.marshall@biobest.co.uk Website: www.biobest.co.uk |
| Testing performed by the Organisation at the locations specified | | |

Locations covered by the organisation and their relevant activities

Laboratory locations:

| Location details | Activity | Location code |
|---|---|---|
| Address 6 Charles Darwin House The Edinburgh Technopole Milton Bridge Nr Penicuik Edinburgh Midlothian EH26 0PY | Local contact Stuart Marshall | Serology Virology Molecular Biology |
| Address Milton Building (T/A PHS Diagnostics and Data Analysis) Pentland Science Park Nr Penicuik Edinburgh Midlothian EH26 0PY | Local contact 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 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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| Faeces (pooled and individual) | <u>Molecular Biology Tests</u> Detection of <i>Mycobacterium paratuberculosis</i> DNA | SOP/PRO/136 Extraction using manual and Kingfisher Flex MagMAX™ Total Nucleic Acid Isolation Kit and detection using Rotagene 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 | | | |