

Vet Practice (Stamp or Block Capitals)

Client Details (Please Print)

Email:

Practice email:

Submitting Vet Name:

Submitting Vet Mobile Phone:

Client Herd number:

Sample Details¹⁸

Sample Type: Faeces Blood Milk Nasal Swab CEM Swab²² Tissue

Other (Specify)

Animal ID (Tag no./ Microchip No/CSV File Name):

For Multiple animals fill in on reverse of sheet or by separate CSV file, if using csv file, enter file name above

Name of animal (or breeding)

Type of animal/ Brief History

Date of Sampling

How do you wish samples to be tested? Individual/Pooled (Please delete one)

Test code:	Tube Description:	Test code:	Test Description:

I wish to have details transferred to the following databases (Tick where appropriate)

ICBF (For AHI programmes)

VetImpress

Submitted by: _____
 (Print Name) (Signature) (Date)

Before submitting samples, clients should ensure that they have read and understood FarmLab Diagnostics Terms and Conditions, and Sample packaging instructions available at www.farmlab.ie ¹⁹. Clients should also familiarise themselves with the explanatory notes below

Multiple Samples

Multiple samples should be recorded in the table below. If numbers are supplied separately via csv file, the csv file name should be inserted in the Animal ID section above.

Animal ID¹	Tube Code

Explanatory Notes

1. Animal ID and farmer herd number must be filled in for BVD and Johnes (MAP) testing. All positive results will be notified to the Department of Agriculture Food and the Marine in accordance with our terms and conditions.
2. Elisa antibody tests detect the presence of antibodies after an animal has been exposed to challenge either by natural infection, or in some cases, vaccination. The sensitivity and specificity of each test may vary. For more information please contact FarmLab Diagnostics
3. PCR tests detect the presence of DNA or RNA from the organism being tested for in the samples submitted. Positive results indicate that the organism is present in the sample. PCR tests will detect the presence of dead as well as living organisms. BVD antigen Elisa tests detect the presence of BVD virus in blood. This test is not suitable for use in calves less than 3 months old
4. BVD virus PCR tests detect the presence of BVDV RNA. The test may be carried out on blood, milk or ear notches. Samples may be pooled, however calves less than 60days of age must be tested individually.
5. MAP PCR detects the presence of Mycobacterium avium paratuberculosis DNA in faeces (Johnes Disease) . A positive results indicates that there is a high probability that the faeces contains MAP organisms. A negative result does not mean that the animal is free of Johnes Disease infection. This test is usually used as an ancillary test for animals which are suspected as being infected with MAP either on clinical signs, or as a result of a positive MAP elisa blood test.
6. Tick borne fever PCR detects the presence of *Anaplasma marginale* and *Anaplasma phagocytophilum*. Please submit individual blood samples in EDTA sampling tubes. Samples from up to 6 animals may be pooled in the laboratory to reduce the cost of testing
7. *Histophilus somni* PCR detects the presence of H.Somni DNA. It may be used on nasal swabs or lung tissue. H Somni is often a commensal in the upper respiratory tract
8. *Mannheimia haemolytica* PCR . Detects the presence of M.haemolytica serotypes most commonly associated with outbreaks of bovine respiratory disease.
9. *Mycoplasma* PCR detects the presence of *Mycoplasma bovis*. Suitable samples include milk, nasal swabs, joint fluid.
10. Milk PCR detects the presence of the organisms most commonly associated with infectious mastitis in cows. This test is suitable for use on individual and bulk tank samples. Positive results may be obtained even due to the presence of killed organisms.
11. Abortion PCR. This test detects the presence of organisms associated with abortion in cattle or sheep. The significance of positive chlamydia results in cattle is not fully understood. Suitable samples include placenta and foetal tissues(Kidney and brain) . A sample of blood should be submitted separately for brucellosis testing to the DAFM blood testing laboratory by the submitting veterinary surgeon.
12. **Abortion PCR tests should only be submitted on special FLOQ swabs available on request from Farmlab**
13. Respiratory virus PCR. This test detects the presence of viruses associated with respiratory outbreaks in cattle. Submitting vets may also wish to consider including tests listed at 7,8 and 9 above. Plain cotton swabs which have been pre-moistened with saline should be used. Please ensure samples reach the laboratory as soon as possible. Where possible samples should be refrigerated before posting.
14. For further information on test interpretation please refer to our "Guide to the interpretation of parasitology results which is [available on our website](#).
15. Samples for milk culture should be taken aseptically from individual cows with clinical or subclinical mastitis. Udder quarters which are subclinically infected may be identified by using the somatic cell count test (17) or the California mastitis test. Standard milk culture is unsuitable for Bulk tank milk samples. For more information on BTM testing please contact the laboratory.
16. Sensitivity testing is carried out using antibiotic sensitivity discs on the predominant bacteria sp. which is identified on culture.
17. We recommend using the whole IBR Tank Milk test for bulk tank milk samples due to higher sensitivity. Test is suitable for use on pools of up to 128 animals. It is recommended to use the test as a monitoring tool and repeat 3-4 times yearly. A negative result does not indicate freedom from disease, herds with a low, **less than 10%**, within herd prevalence may yield a negative result.
18. Other testing requests should be discussed with the laboratory before submission to clarify your testing requirements, and test availability. Requests for testing large numbers of samples (e.g greater than 500) should be notified to the laboratory in advance
19. Please fill in all elements of the "sample details" . **A valid tag number is required for all animals which are tested for BVDV and MAP. Tag numbers may be submitted separately on a printed list or excel file where it is not feasible to write all numbers on the submission form**
20. By submitting this form we assume that you have read our terms and conditions available on our website at. Samples must be packaged in accordance with our sample packaging instructions available on our website .
21. Please indicate by circling "Y" if you wish sample results to be transferred to either the ICBF or VetImpress databases
22. **CEM swabs must be put on test within 48hrs of sampling. Where samples do not arrive in time to ensure this takes place a resample will be requested. Samples yielding a heavily contaminated culture growth may also have to be re-submitted. Complete Identification details should be submitted for all CEM samples. Details of CEM sample results will be shared with the Department of Agriculture**

Lists of individual tests and test combinations

Large Animal Antibody Elisa tests

EL01 **IBRgB Antibody Elisa.** Use in unvaccinated herds

EL02 **IBRgE Antibody Elisa.** For use to detect naturally infected animals which may have been vaccinated

EL03 **IBR bulk tank milk antibody elisa.** Highly sensitive IBR antibody detection test for bulk tank samples from dairy herds

EL04 **MAP antibody elisa.** Johnes Disease test.

EL05 **Leptospira hardjo** antibody elisa. Cattle

EL06 **Multispecies leptospira antibody elisa**
Cattle

EL07 **Salmonella antibody elisa.** Multispecies test for salmonella

EL08 **Salmonella dublin elisa** Exposure to Salmonella dublin

EL09 **Neospora antibody elisa**

EL10 **Mannheimia haemolytica antibody elisa.** Cattle. Clotted blood sample

EL11 **Parainfluenza 3 (PI3) antibody elisa.** Cattle. Clotted blood sample

EL12 **Bovine herpes 4 Antibody Elisa.** Cattle. Clotted blood sample

EL13 **Mycoplasma bovis Antibody Elisa** Sheep Clotted blood sample/ Bulk Tank Milk

EL14 **Chlamydia abortus Antibody Elisa** Sheep Clotted blood sample

EL15 **Toxoplasma antibody Elisa Test**

EL16 **Schmallenberg Virus** Cattle, sheep Clotted blood sample/ Bulk tank Milk

EL17 **Q Fever Antibody Elisa Test**

EL18 **Bluetongue Virus Antibody Elisa**

EL19 **Bovine Leukosis Virus Antibody Elisa.** Bovine serum samples

Large Animal Antigen immunoassay tests

IA01 **BVD erna Elisa** Cattle. Clotted Blood .Detects persistently infected BVD animals

IA02 **Calf Scour test** Calves Faeces Detection of rotavirus, coronavirus, E.coli, cryptosporidia

IA03 **Lamb Faecal Scour test** Lambs faeces Detection of rotavirus, coronavirus, E.coli, cryptosporidia

Large Animal Profiles

BRAP **Respiratory Antibody Profile** . IBRgE; BRSV; PI3; Mannheimia haemolytica; Mycoplasma bovis; Clotted blood sample required, please ensure tube full

RPTF **Respiratory Blood Profile with Tick Borne Fever** IBRgE; BRSV; PI3; Mannheimia haemolytica; Mycoplasma bovis; TBF PCR. **Clotted blood sample plus EDTA sample required**

BIA **Bovine Infertility Antibody Profile** Neospora; IBRgE; Salmonella Dublin; Salmonella spp; BOHV4; Leptospirosis.

OIA **Ovine Infertility Antibody Profile** Chlamydia abortus; toxoplasma gondii; Salmonella spp.

Large Animal PCR tests

PC01 **BVD PCR** Cattle Ear notch, blood samples

PC02 **Johnes Disease PCR** Cattle, Sheep, goats faeces. Detection of Mycobacterium avium paratuberculosis

PC04 **Tick Borne Fever PCR** Cattle, sheep. **EDTA blood samples.** Detection of Anaplasma phagocytophilum

<p>PC05 Schmallenberg Virus PCR Cattle, Sheep Tissues</p> <p>PC06 Bluetongue Virus PCR</p> <p>PC07 Mycoplasma bovis PCR Cattle Milk, joint fluid, nasal swab, bronchoalveolar lavage. Detection of mycoplasma bovis</p> <p>PC0A Ovine Abortion Sheep PCR Swab from placenta or ovine foetus Detection of Toxoplasma gondii and Chlamydia abortus</p> <p>PCBA Bovine abortion PCR Swab from placenta or bovine foetus Detection of Neospora caninum, leptospira spp</p> <p>PCBR Respiratory Cattle PCR Detection of IBR, PI3, Coronavirus, BRSV, Mannheimia haemolytica, Histophilus sommi, Mycoplasma bovis in nasal swabs/ BAL fluid or Lung Tissue</p> <p>PCMA Mastitis PCR Detection of mastitis causing organisms in cattle</p>	<p>PA03 Individual Lungworm Cattle, Sheep, Faeces Baermann Technique Samples will be tested individually</p> <p>PA04 Pooled Lungworm Cattle, Sheep Faeces Baermann Technique. Samples will be tested as one composite sample</p> <p>PA05 Individual Fluke Cattle/ Sheep samples. Submitted samples will be tested individually for liver fluke and rumen fluke with sedimentation technique</p> <p>PA06 Pooled Fluke Cattle/ Sheep samples. Submitted samples will be tested as one pool for liver fluke and rumen fluke with sedimentation technique</p> <p>PA07 Coccidia oocyst count and speciation. Cattle, sheep, pigs, poultry Faeces</p> <p>PA08 Liver Fluke Coproantigen test Cattle, Sheep Immunoassay for earlier detection of liver fluke in faecal samples</p> <p>EL31 Bulk Tank Milk Ostertagia test Dairy Cattle. Detection of gutworm antibodies in bulk tank milk samples</p> <p>EL32 Fasciola hepatica antibody elisa Detection of exposure to liver fluke in serum or milk samples from cattle</p>
<p><u>Food Animal Bacteriology</u></p> <p>BA01 Mastitis Culture Milk sample, no preservative. Antimicrobial sensitivity testing also provided</p> <p>BA02 Skin swab/ abscess culture Cattle, sheep, other species. Antimicrobial sensitivity testing also provided</p>	<p><u>Other Food Animal Tests</u></p> <p>MEP Metabolic Profile Ca, Mg, Glucose, Total Protein, βhydroxybutyrate, NEFA. Clotted serum sample Use to detect metabolic status and energy balance in dairy cows</p> <p>MPE Mineral Profile Cu, GPx, Zn, Thyroxine(T4), Ca, Mg Cattle/ sheep Clotted serum sample and Lithium heparin blood</p> <p>SCC Somatic Cell Count Milk Sample from Dairy Cattle</p> <p>PAG Milk Pregnancy Test Detection of pregnancy associated glycoproteins from 30 days of gestation in milk or blood samples from bovines</p>
<p><u>Food Animal Parasitology</u></p> <p>PA01 Individual Intestinal Roundworms and coccidia. Cattle, sheep, Faeces Mc Master Technique. Samples will be tested individually. Does not include a coccidia count or speciation</p> <p>PA02 Pooled Intestinal Roundworms and coccidia. Cattle, sheep, Faeces Mc Master Technique. Submitted samples will be tested as one composite sample. Does not include coccidia count or speciation</p>	

HAEME Haematology Complete blood count. EDTA sample required

MALD MALDI-TOF Available on special request as an ancillary test for speciation of bacteria following culture

Food Animal Biochemistry Tests

BIOR Biochemistry analysis Urea, Creatinine, Alkaline phosphatase, Total protein, GGT, GLDH Cattle/ Sheep Clotted serum sample

MPPF Mineral Profile Cu, GPx, Zn, Thyroxine(T4), Ca, Mg Cattle/ sheep Clotted serum sample and Lithium heparin blood

CO Cobalt Assay. Available on special request. €50+ per sample

IO Iodine Assay. Available on special request. €50+ per sample

CU Copper Serum or plasma

GPX Gluthathione Peroxidase Lithium Hep blood required

ZN Zinc

CA Calcium

MG Magnesium

T4 Thyroxine Serum sample

GLU Glucose

TP Total Protein

BHB βhydroxybutyrate

NEFA NEFA

URE Urea

CRE Creatinine

AP Alkaline phosphatase

TP Total protein

GGT Gamma-Glutamyl Transferase

GLDH Glutamate Dehydrogenase

Equine Tests

Equine Microbiology

CEMM CEM Swab Mares Must be taken on charcoal swab, must reach lab within 48hrs of sampling. 7 day minimum turnaround.

CEMS CEM Swabs Stallion 3 charcoal swabs per stallion. Must reach lab within 48hrs of sampling. 7 day minimum turnaround.

EMC Endometrial Lavage or Swab Culture Aerobic and anaerobic culture and sensitivity testing. Minimum turnaround 3 days.

AWS Abscess / Wound Swab Culture Culture and sensitivity testing, minimum 2 day turnaround

Equine PCR Testing

LAWS Lawsonia Intracellularis. Special Request

REQI Rhodococcus equi. Special Request

STPCR Streptococcus equi PCR. Special request

Equine Parasitology

EWC Equine Worm Egg Count Roundworm count on faecal samples

ELL Equine Lungworm Larvae

Equine Serology Testing

EIA Equine Infectious Anaemia Elisa test

EVA Equine Viral Arteritis Elisa test

CEIA Coggins – Equine Infectious Anaemia AGID confirmation test for EIA

PBSC Pre-Breeding Screen. Elisa for EIA and EVA

STRE Strangles Elisa Elisa test for Streptococcus equi antibodies

INFA Equine Influenza A Antibody elisa test

Equine Blood Profiles

HAEME Equine Haematology Full blood count

BIOE Equine Biochemistry Total protein, albumin, globulin, AST, CK, GGT, Iron, Sodium, Potassium, Chloride

EMP Equine Mineral profile Calcium, Phosphate, Copper, Mg, GPX, T4

FIGG Foal IGG For determination of passive transfer of colostrum

Equine Genetic Tests

WFFS Warmblood Fragile Foal Syndrome Available on special request. EDTA blood or hair roots from tail

HWSD Connemara Pony Hoof Wall Separation Disease. Available on special request. EDTA blood or hair roots from tail.