



Irish Equine Centre Farm, Small Animal and Food Laboratory Price List 2019

Effective as of 1st January 2021



Oie
An OIE Reference Laboratory
For Equine Influenza and Equine
Herpesvirus



Johnstown, Naas, Co. Kildare
Tel: +353 (0) 45 866266 Fax: +353 (0) 45 866273
www.irishequinecentre.ie

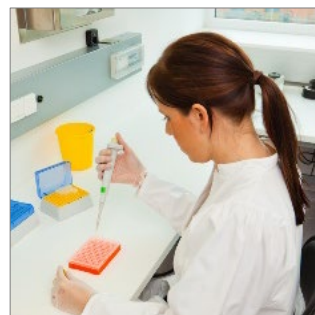
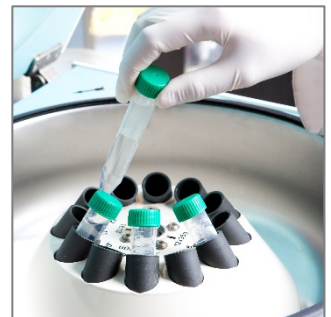


Table of Contents

▪ Notes for IEC Clients	3
▪ Clinical Pathology	
– Bovine and Small Animal Profiles	4
– General Test List	5
– Endocrinology	7
▪ Microbiology	
– Small Animal Tests	8
– Bovine Herd, Faecal and Milk Tests	9
– Commercial Food and Toxicology Tests	10
– Water, Miscellaneous Tests and Supplies	11
▪ Environment & Nutrition	
– Nutrition Analysis	12
– Environmental Testing	12
– Water Testing	12
▪ Virology	
– Bovine PCR, Porcine and Ovine Tests	14
– Small Animal and Other Animal Tests	15
▪ Pathology	
– Post Mortem	15
– Lavage Analysis	15
– Biopsy Analysis	15
▪ IEC Terms of Business	16

Notes for Irish Equine Centre clients

About the Irish Equine Centre

- The Irish Equine Centre (IEC) is an independent, not-for-profit organisation whose aim is to protect the wellbeing of Ireland's horse population. The IEC's expertise in equine diagnostics and disease prevention ensures that the Irish horse industry continues to flourish and succeed both at home and abroad.
- We utilise the "Gold Standard" of diagnostic testing across all four of our laboratories to ensure the most accurate and reliable test results are made available to our clients, ensuring the best treatment options can be applied to the animal or situation.
- The IEC's range of laboratory tests is the most comprehensive in Ireland, however, please feel free to contact us if you would like to discuss an additional test or analysis that is not listed within this document.

Test Prices

- Please note that the test prices listed relate solely to the laboratory work carried out by the IEC and do not incorporate the appropriate and relevant fees charged by veterinary surgeons for call out visits, the taking of samples and follow-up advice.

Packaging Information

- Diagnostic specimens must be packed to comply with guidelines, i.e. wrapped in sufficient quantity of absorbent material to ensure contents are received in good condition. We recommend all specimens are sealed in a leak proof container / bag and placed in a protective outer package.
- Sample submission forms can be downloaded from the IEC website at www.irishequinecentre.ie and must accompany any sample ensuring all relevant details are filled in on the form. This is to ensure correct and timely sample processing and reporting.
- Books of the sample submission forms are also available free of charge from the IEC reception.

Collection Service

- A free courier collection service for samples is available on working days in certain areas of Kildare and Meath. For more information please contact the IEC on +353 (0)45 866 266.

Turnaround Times

- Turnaround times are for **guidance purposes only**. They refer to working days and may not include weekends and bank holidays. If a sample is urgent please contact the IEC to confirm if your deadline can be met.

Reporting of Results

- Reports are faxed or emailed based on client's preferences. During 2019, the IEC intends to cease posting hard copies of results to clients.
- To continue to develop our service to the industry and in the interests of equine health research, all virology samples and some pathology samples are retained for research purposes unless the IEC receives a written request for exemption.

GDPR Restrictions

- Due to legal restrictions arising from GDPR legislation, the IEC can only report results to the veterinarian or person who submitted the sample for testing. If the results are to be copied or forwarded to a third party, written instruction must be provided to the IEC on the sample submission form.

Hours of Business / Emergency On-Call Contacts

- The IEC's laboratories operate between 9.00am to 5.00pm Monday to Friday and the Reception desk is manned to deal with telephone queries and sample submission from 8.00am until 6.00pm each day. For urgent samples which require analysis outside these hours arrangements must be made with the laboratory during normal working hours.
- At weekends and during holidays, a laboratory technician is available to deal with urgent equine samples during a medical emergency. Contact details for the weekend on-call technicians are:

Clinical Pathology / Pathology	087-995 9195
Microbiology	087-995 9192
Virology	087-995 9190

VAT

- Some laboratory tests & services are liable to VAT. This is dependent on a number of factors including the specific test requested and the VAT status of the client. Further details are available from accounts@irishequinecentre.ie.

IEC Accreditation

- The complete test accreditation schedule for the Irish Equine Centre under ISO17025 is available on www.inab.ie under the Irish Equine Foundation (151T).

CLINICAL PATHOLOGY

Haematology: Mary Hennessy (haematology@irishequinecentre.ie)

Biochemistry: Jean Hearn (biochemistry@irishequinecentre.ie)

Tel: +353 (0)45 866 266

Bovine Profiles	Turnaround Time	
Diagnostic Haematology (EDTA) Full blood count (including differential)	Same day	€30.00
Diagnostic Biochemistry (Serum) Total protein, albumin, globulin, AST, CK, GGT, total bilirubin, sodium, potassium & chloride	Same day	€30.00
Diagnostic Haematology & Biochemistry (EDTA & serum) Full blood count (including differential), total protein, albumin, globulin, AST, CK, GGT, total bilirubin, sodium, potassium & chloride	Same day	€52.00
Extended bovine health screen (EDTA & serum) Full Blood Count (including differential), total protein, albumin, globulin, AST, GGT, urea, BHB, calcium, magnesium & phosphate	Same day	€99.00
Bovine mineral profile (Serum & lithium heparin) Calcium, phosphate, copper, magnesium, GPX (selenium) & T4 (iodine)	Up to 3 days	€40.00
Bovine pooled mineral profile (Serum & lithium heparin) Total protein, albumin, globulin, urea, BHB, creatinine, calcium, phosphate, copper, magnesium, GPX (selenium) & T4 (iodine)	Up to 3 days	€80.00
Small / Companion Animal Profiles	Turnaround Time	Price
Diagnostic Haematology (EDTA) Full blood count (including differential)	Same day	€30.00
Diagnostic Biochemistry (Serum) Total protein, albumin, globulin, urea, creatinine, ALT, SAP & glucose	Same day	€30.00
Diagnostic Haematology & Biochemistry (EDTA & serum) Full blood count (including differential), total protein, albumin, globulin, urea, creatinine, ALT, SAP & glucose	Same day	€54.00
Comprehensive profile (EDTA, fluoride oxalate, lithium hep or serum) Full blood count (including differential), total protein, albumin, globulin, urea, creatinine, ALT, ALP, GGT, cholesterol, total bilirubin, iron, calcium, phosphate, sodium, potassium, chloride, glucose, amylase & lipase	Same day	€119.00
Kidney profile (Lithium heparin or serum) Total protein, albumin, globulin, urea, creatinine, sodium, potassium, chloride & phosphate	Same day	€40.00
Liver profile (Lithium heparin or serum) Total protein, albumin, globulin, ALP, ALT, total bilirubin & bile acids	Same day	€43.00
Clotting and anaemia profile (EDTA & sodium citrate) Full blood count (including smear examination), DCT (canine only), prothrombin time, activated partial thromboplastin time & reticulocyte count	Same day	€88.00
PU/PD profile (EDTA, fluoride oxalate, lithium hep or serum) Full blood count (including differential), total protein, albumin, globulin, urea, creatinine, ALT, ALP, GGT, cholesterol, bile acids, calcium, phosphate, sodium, potassium, chloride, & glucose	Same day	€99.00

CLINICAL PATHOLOGY

General Test List	Turnaround Time	Price
Activated Partial Thromboplastin Time	Same day	€30.00
Allergy Screen	Up to 10 days	Contact Laboratory
ALT	Same day	€15.00
Amylase	Same day	€15.00
AST	Same day	€20.00
Albumin	Same day	€15.00
B12/Folate (Referred test)	Up to 7 days	€50.00
Bile acids	Same day	€20.00
Bilirubin	Same day	€15.00
Calcium	Same day	€15.00
Chloride	Same day	€15.00
Canine Specific Pancreatic Lipase (Referred test)	Same day	€85.00
Cholesterol	Same day	€15.00
CK	Same day	€20.00
Coombs Test	Same day	€30.00
Copper	Same day	€15.00
Creatinine	Same day	€15.00
Differential (White cell differential)	Same day	€15.00
Electrolytes	Same day	€27.00
Fibrinogen	Same day	€17.00
Fructosamine	Same day	€25.00
GGT	Same day	€15.00
GLDH	Same day	€15.00

CLINICAL PATHOLOGY

General Test List (cont'd)	Turnaround Time	Price
Glucose	Same day	€15.00
Glucose Tolerance Test	Same day	€70.00
GPX (SE)	Up to 5 days	€15.00
IGG	Same day	€35.00
Iron	Same day	€15.00
LDH	Same day	€15.00
Lipase	Same day	€21.00
Magnesium	Same day	€15.00
Phosphate	Same day	€15.00
Potassium	Same day	€15.00
Phenobarbitone (Referred test)	Up to 10 days	€40.00
Protein	Same day	€15.00
Prothrombin	Same day	€30.00
SAP	Same day	€15.00
Selenium - toxicity (Referred test)	Up to 14 days	€40.00
Semen analysis (Full analysis)	Up to 2 days	€90.00
Semen analysis (Concentration and motility)	Up to 2 days	€40.00
Spin of blood sample	Same day	€15.00
TLI – Canine (Referred test)	Up to 7 days	€60.00
TLI – Feline (Referred test)	Up to 7 days	€85.00
Zinc	Up to 5 days	€15.00

CLINICAL PATHOLOGY

Endocrinology	Turnaround Time	Price
Oestrone sulphate Pregnancy >120 days post-mating (Serum)	Up to 5 days	€42.00
Progesterone (Serum)	Same day	€30.00
Cortisol (Serum)	Same day	€36.00
ACTH stimulation test (Serum, 2x cortisol)	Same day	€70.00
T4 (Serum)	Same day	€20.00
T3 (Serum, referred test)	Up to 10 days	€50.00
Insulin (Serum)	Same day	€42.50
TSH (Serum – small animals only, referred test)	Up to 10 days	€55.00
T4 & TSH (Serum – small animals only, referred test)	Up to 10 days	€70.00
T4, T3 & TSH (Serum – small animals only, referred test)	Up to 10 days	€110.00
DXM Suppression Test (Serum, 2x cortisol)	Same day	€70.00

Small Animal Tests	Turnaround Time	Price
Abscess/wound discharge swab (Aerobic & anaerobic culture, enrichment & antibiotic sensitivity*)	3 days	€40.00
Aural/oral/ocular swab (Aerobic culture, enrichment, antibiotic sensitivity* & fungal culture)	3 days	€40.00
Nasal swabs (Aerobic & fungal culture & antibiotic sensitivity – includes <i>Bordetella bronchiseptica</i>)	2 – 3 days	€40.00
Blood culture (Aerobic & anaerobic culture & antibiotic sensitivity*)	7 days	€40.00
Fluid analysis (Aerobic & anaerobic culture, antibiotic sensitivity* & cytology)	3 days	€40.00
Fungal culture	7 days	€27.00
Salmonella culture only (including antibiotic sensitivity)	5 days	€25.00
Campylobacter culture only (including antibiotic sensitivity)	4 days	€25.00
Salmonella & campylobacter culture only (including antibiotic sensitivity)	4 – 5 days	€40.00
Cryptosporidia antigen test	1 day	€18.00
Giardia antigen test	1 day	€18.00
Clostridial toxin screen (<i>Clostridium difficile</i>)	2 days	€15.00
Clostridial culture screen	3 days	€25.00
Skin smear for malassezia (Cellotape impressions)	1 day	€25.00
Skin Scrape Microscopy (Ringworm spores & mites)	1 day	€25.00
Skin Scrape Microscopy & Culture	14 days	€40.00
Canine heat smear (Air dried smear or fresh swab without transport medium)	1 day	€40.00

MICROBIOLOGY

Bovine Herd Tests	Turnaround Time	Price
Johnes – serum or milk samples (ELISA method)	Up to 7 days	€2.50 plus VAT
Johnes – serum or milk (PCR method)	Up to 5 days	€50.00
Leptospira – serum or milk samples (ELISA method)	Up to 7 days	€4.00
Neospora canis – serum or milk samples (ELISA method)	Up to 7 days	€4.00
Salmonella – serum or milk samples (ELISA method)	Up to 7 days	€4.00
Ostertagia – serum or milk samples (ELISA method)	Up to 7 days	€4.00
Fasciola – serum or milk samples (ELISA method)	Up to 7 days	€4.00
Preputial swabs (Campylobacter & trichomonas)	7 days	€35.00
Bovine Faecal Tests	Turnaround Time	Price
Faecal egg count (Includes coccidia oocysts)	1 – 2 days	€12.50
Faecal egg count (Includes coccidia oocysts) (Batches of 50+ samples)	1 – 2 days	€10.00
Fluke egg screen (Liver and Rumen Fluke) Egg counts are not reported for fluke screen	1 – 2 days	€12.50
Fluke egg screen (Liver and Rumen Fluke) (Batches of 50+ samples) Egg counts are not reported for fluke screen	1 – 2 days	€12.50
Lungworm larvae screen	2 days	€12.50
Salmonella culture	3 – 4 days	€25.00
Cryptosporidia antigen test	1 day	€18.00
Milk Tests	Turnaround Time	Price
Milk culture (individual & bulk milk samples) (Culture & sensitivity)	2 – 4 days	€25.00
Antibiotic residues screen (Milk or feed)	2 days	€30.00
Antibiotic residues confirmation	Referral test	On request

MICROBIOLOGY

Commercial Food Testing (Discounts available for large batch samples – contact laboratory)	Turnaround Time	Price
Salmonella screen (INAB accredited)	5 days	€20.00
Listeria screen (INAB accredited)	5 days	€20.00
Campylobacter screen (INAB accredited)	5 days	€20.00
Total viable count (TVC)	2 days	€15.00
Coliform count	3 days	€15.00
Enterobacteriaceae count	3 days	€15.00
<i>E. coli</i> count	1 days	€15.00
Clostridia screen	3 days	€20.00
Staphylococcus screen	3 days	€20.00
Shelf-life testing	Up to 14 days	Contact Laboratory

Food Toxicology Testing	Turnaround Time	Price
Antibiotics - tissue sample (EU 6 plate test)	Turnaround times for food toxicology are based on number of samples submitted and client requirements	€10.00
Coccidiostats panel - tissue sample		€75.00
Anthelmintics panel - tissue sample		€55.00
Beta-agonists panel - urine sample		€75.00
Beta-agonists panel - tissue sample		€75.00
Sedatives - tissue sample		€200.00
Hormones / growth promoters - various matrices		POA
Antibiotics – ELISA and Biochip - various matrices (Chloramphenicol, Quinolones, Sulphonamides, Bacitracin, Nitrofurans, Beta-lactams, Tetracyclines, Streptomycin)		POA
Specified risk materials		€50.00
Trichinella - tissue sample		POA

MICROBIOLOGY

Poultry/Avian	Turnaround Time	Price
Faecal egg counts (including coccidia)	1 day	€12.50
Salmonella Screen (INAB accredited)	5 days	€25.00
Campylobacter screen (INAB accredited)	5 days	€25.00
Trichomonas culture	7 days	€15.00
Water Testing	Turnaround Time	Price
Supply of sterile water sampling kit	-	€5.00
Water samples – culture (TVC @ 22°C, TVC @ 37°C, <i>E. coli</i> , Coliforms & <i>Enterococci</i> sp.)	4 days	€45.00
Water samples – chemical analysis	Referral test	On request
Salmonella in water	5 days	€25.00
<i>Pseudomonas aeruginosa</i> in water	3 days	€25.00
Clostridia in water	3 days	€25.00
Miscellaneous Tests	Turnaround Time	Price
Autogenous wart vaccine & histological analysis (5 – 10 gms required without preservative)	2 – 3 weeks	€150.00
Supplies		Price
Equine long nasal swabs		€5.00 Each
Sterilising / autoclaving of equipment		€25.00 per batch
Sterile containers (20ml, 60ml, 150ml)		€5.00 Each

Please contact the Microbiology lab to discuss specific tests or requirements
Email: microlab@irishequinecentre.ie

ENVIRONMENT & NUTRITION

Head of Department: Alan Creighton

Tel: +353 (0)45 866266

Email: acreighton@irishequinecentre.ie

Nutrition Analysis	Turnaround Time	Price
Nutritional analysis Dry matter, digestible energy, crude protein, fibre fractions & ash	5 days	€60.00
Mineral analysis Full mineral screen, comprised of 17 dietary minerals in forages and 9 minerals in feeds (Referred test)	10 days	Forages €100.00 Feeds €80.00
Nutritional and fungal analysis Dry matter, digestible energy, crude protein, fibre fractions, ash & fungal culture	7 days	€75.00
Nutritional and mineral analysis Dry matter, digestible energy, crude protein, fibre fractions, ash and screen of 17 dietary minerals in forages and 9 minerals in feeds (Partial referred test)	10 days	Forages €135.00 Feeds €115.00
Nutritional, Mineral and fungal analysis Dry matter, digestible energy, crude protein, fibre fractions, ash and screen of 17 dietary minerals in forages and 9 minerals in feeds & fungal culture (Partial referred test)	10 days	Forages €145.00 Feeds €125.00
Environmental Monitoring Tests	Turnaround Time	Price
Fungal culture (Swabs)	7 days	€30.00
Fungal culture (Air samples)	7 days	€30.00
Fungal culture (Hay, feed, bedding, etc.)	7 Days	€35.00
MRSA culture / screening (Includes equipment, premises & staff)	2 – 3 days	€28.00
MRSA culture / screening (Includes equipment, premises & staff – batches of 20+ swabs)	2 – 3 days	€25.00
R. equi culture (Soils, faecal samples & surface swabs)	3 – 5 days	€28.00
Fungal culture and R. equi screen	7 days	€55.00
Environmental ammonia monitoring	2 days	€8.00
Dust monitoring	3 days	€18.00
R. equi PCR (Soils, faecal samples & surface swabs)	3 – 5 days	€50.00
Mycotoxin screen (ELISA method)	4 – 5 days	€50.00 per mycotoxin
Mycotoxin screen – 3 or more mycotoxins (ELISA method)	4 – 5 days	€40.00 per mycotoxin
Water samples – culture (TVC @ 22°C, TVC @ 37°C, E. coli, Coliforms & Enterococci sp.)	4 days	€45.00
Water samples – chemical analysis	Referral test	On request

Bovine Serology (Antibody Detection)	Turnaround Time (Minimum)	Price
IBR Total Antibody ELISA (Blood)	1 day	€5.00
IBR gE Antibody ELISA (Bulk milk or blood)	2 days	€8.00
Bovine Serology for large batches - by request only		
BVD Antibody ELISA (Bulk milk)		On Request
BVD Antibody ELISA (Blood)		On Request
BVD Antibody ELISA (Pooled blood – 10 samples)		On Request
IBR Total Antibody ELISA (Bulk milk)		On Request
Schmallenberg ELISA (Blood)		On Request
Schmallenberg ELISA (Milk)		On Request
PI3 ELISA (Milk or blood)		On Request
RSV ELISA (Milk or blood)		On Request
Mycoplasma bovis (Blood)		On Request
Mycoplasma bovis (Milk)		On Request
Bluetongue virus		On Request
Bovine Antigen Detection	Turnaround Time (Minimum)	Price
BVD Antigen ELISA (Blood)	1 day	€8.00
Bovine PCR Tests	Turnaround Time (Minimum)	Price
Rotavirus and coronavirus (Faeces)	2 days	€35.00

*Times stated are the minimum required to perform the analysis and tests are not set up each day. Samples are batched according to test and processed in order of receipt. If a result is required urgently this must be indicated on the request form and the laboratory must be notified in advance of the arrival of the sample. Pre-breeding samples should be submitted in good time and allowance should be made for repeat testing and/or collection of a second sample if necessary.

**Most diagnostic Equine Influenza testing is free of charge as it is sponsored by the Department of Agriculture under the National Development Plan. To avail of this please contact the Virology Department on +353 (0)45 866 266.

Bovine PCR for large batches - by request only

BVD PCR (Individual blood sample)	On Request
BVD PCR (Bulk milk sample – 50ml volume)	On Request
BVD PCR (Pooled blood sample)	On Request
IBR PCR Pool of five (Nasal swab or lung wash)	On Request
RSV Pool of five (Nasal swab or lung wash)	On Request
PI3 Pool of five (Nasal swab or lung wash)	On Request
Schmallenberg (Blood, spleen, brain)	On Request
Mycoplasma bovis (Milk)	On Request

Porcine Tests for large batches - by request only

PRRSV PCR (Blood, semen or oral fluid)	On Request
PRRSV antibody	On Request
Aujeszky antibody	On Request

Ovine Tests for large batches - by request only

Schmallenberg antibody (Blood)	On Request
Schmallenberg antibody (Milk)	On Request
Schmallenberg PCR (Blood, spleen or brain)	On Request
Border Disease antibody (Blood)	On Request
Border Disease antibody (Milk)	On Request
Border Disease - PCR	On Request

*Times stated are the minimum required to perform the analysis and tests are not set up each day. Samples are batched according to test and processed in order of receipt. If a result is required urgently this must be indicated on the request form and the laboratory must be notified in advance of the arrival of the sample.

Small Animal Virology	Turnaround Time (Minimum*)	Price
Feline Leukaemia Virus (FeLV) Antigen	1 day	€24.00
Feline Immunodeficiency Virus (FIV) Antibodies	1 day	€24.00
Canine Parvovirus (CPV) detection in faeces	1 day	€30.00
Single radial haemolysis for influenza	5 days	€25.00
Elephant Virology	Price	
Elephant Herpesvirus PCR	On Request	

*Times stated are the minimum required to perform the analysis and tests are not set up each day. Samples are batched according to test and processed in order of receipt. If a result is required urgently this must be indicated on the request form and the laboratory must be notified in advance of the arrival of the sample.

Note: To continue to develop our service to the industry, all virology samples are retained for research purposes unless the IEC receives a written request for exemption.

PATHOLOGY

Head of Department: Dr. Ursula M. Fogarty, MVB, PhD, MRCVS, Dip. Stat.

Tel: +353 (0)45 866 266

Email: ufogarty@irishequinecentre.ie

Equine Pathology	Turnaround Time	Price
Post mortem examination on companion animal & disposal	*Verbal report 1-2 days <input type="checkbox"/> Written report 7-14 days +	€70.00
Post mortem examination on tissue specimen	*Verbal report 1-2 days <input type="checkbox"/> Written report 7-14 days +	€60.00
Tracheal lavage analysis	*48 hours written report	€45.00
Bronchoalveolar lavage analysis	*48 hours written report	€45.00
Bronchoalveolar lavage sampling	n/a	€40.00
Biopsy - 3 samples (Additional samples €10.00 each)	Up to 7 days (written report)	€40.00
Small animal histopathology	Up to 10 days (written report) <input type="checkbox"/>	€50.00
Vas deferens	Up to 7 days	€25.00

* Depending on time of submission

Unless additional testing required