



# Irish Equine Centre Laboratory Price List 2017

Effective as of 1<sup>st</sup> February 2017



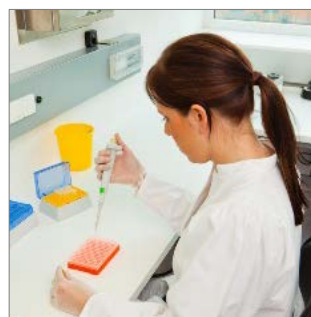
**oie**  
An OIE Reference Laboratory  
For Equine Influenza and Equine  
Herpesvirus



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[www.irishequinecentre.ie](http://www.irishequinecentre.ie)



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# 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.

## 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.
- Test request forms can be downloaded from the IEC website at [www.irishequinecentre.ie](http://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.
- Books of the test request forms are also available free of charge from the IEC reception.

## Collection Service

- A van collection service for samples is available in the Kildare and Meath (Dunshaughlin, Bracetown Business Park, etc.) areas. 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.

## Reporting of Results

- Reports are faxed or emailed based on client's preferences and the original report is sent out by post on the day of issue.

## Hours of Business

- 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 8.30am 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, 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](mailto:accounts@irishequinecentre.ie).

## IEC Accreditation

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

# CLINICAL PATHOLOGY

Haematology: Mary Hennessy (mhennessy@irishequinecentre.ie)

Biochemistry: Jean Hearn (biochemistry@irishequinecentre.ie)

Tel: +353 (0)45 866 266

Equine Profiles	Turnaround Time	Price
<b>Diagnostic Haematology (EDTA)</b> Full blood count (including differential)	Same day	€28.00
<b>Diagnostic Biochemistry (Serum)</b> Total protein, albumin, globulin, AST, CK, GGT, total bilirubin, iron, sodium, potassium & chloride	Same day	€28.00
<b>Diagnostic Haematology &amp; Biochemistry (EDTA &amp; serum)</b> Full blood count (including differential), total protein, albumin, globulin, AST, CK, GGT, total bilirubin, iron, sodium, potassium & chloride	Same day	€52.00
<b>Haematology, biochemistry &amp; inflammatory proteins (EDTA, sodium citrate &amp; serum)</b> Full blood count (including differential), total protein, albumin, globulin, AST, CK, GGT, total bilirubin, iron, sodium, potassium, chloride, urea, creatinine, SAA & fibrinogen	Same day	€99.00
Profile with protein electrophoresis	Up to 5 days	€125.00
<b>Neonatal foal profile (EDTA, serum &amp; sodium citrate)</b> Full blood count (including differential), fibrinogen, IgG, total protein, albumin, globulin, iron, SAA, AST, CK & creatinine	Same day	€99.00
<b>Older foal screen (EDTA &amp; sodium citrate)</b> White cell count, platelet count & fibrinogen	Same day	€30.00
<b>Inflammatory proteins (Serum &amp; sodium citrate)</b> Serum amyloid A, fibrinogen & iron	Same day	€30.00
<b>Muscle profile (Serum)</b> AST & CK	Same day	€33.50
<b>Equine clotting and anaemia profile (EDTA &amp; sodium citrate)</b> Full blood count (including smear examination), coombs test, prothrombin time, activated partial thromboplastin time & fibrinogen	Same day	€92.50
<b>Equine liver profile (Serum)</b> GGT, GLDH, bile acids, total bilirubin, direct bilirubin, indirect bilirubin & albumin	Same day	€59.00
<b>Equine kidney profile (Serum)</b> Albumin, urea, creatinine, sodium, potassium & chloride	Same day	€35.00
<b>Equine kidney profile plus creatinine clearance test (Serum &amp; urine)</b> Albumin, urea, creatinine, sodium, potassium, chloride, phosphate plus % clearance for sodium, potassium, chlorine & phosphate	Same day	€92.50
<b>Equine mineral profile (Serum &amp; lithium heparin)</b> Calcium, phosphate, copper, magnesium, GPX (selenium) & T4 (iodine)	Same day	€40.00
Bovine Profiles	Turnaround Time	
<b>Diagnostic Haematology (EDTA)</b> Full blood count (including differential)	Same day	€28.00
<b>Diagnostic Biochemistry (Serum)</b> Total protein, albumin, globulin, AST, CK, GGT, total bilirubin, sodium, potassium & chloride	Same day	€28.00
<b>Diagnostic Haematology &amp; Biochemistry (EDTA &amp; serum)</b> Full blood count (including differential), total protein, albumin, globulin, AST, CK, GGT, total bilirubin, sodium, potassium & chloride	Same day	€52.00
<b>Extended bovine health screen (EDTA &amp; serum)</b> Full Blood Count (including differential), total protein, albumin, globulin, AST, GGT, urea, BHB, calcium, magnesium & phosphate	Same day	€99.00
<b>Bovine mineral profile (Serum &amp; lithium heparin)</b> Calcium, phosphate, copper, magnesium, GPX (selenium) & T4 (iodine)	Up to 3 days	€40.00
<b>Bovine pooled mineral profile (Serum &amp; lithium heparin)</b> Total protein, albumin, globulin, urea, BHB, creatinine, calcium, phosphate, copper, magnesium, GPX (selenium) & T4 (iodine)	Up to 3 days	€77.00

Equine Infectious Disease Serology	Turnaround Time	Price
<b>Strangles blood test</b> (Serum)	Up to 7 days	€40.00
<b>Piroplasmosis (T. equi &amp; B. caballi) ELISA</b> (Serum)	Up to 5 days	€49.00
<b>Piroplasmosis IFAT</b> (Serum, referred test)	Up to 10 days	€68.00
<b>R. Equi ELISA</b> (Serum, referred test)	Up to 10 days	€40.00
<b>Lyme disease</b> (Serum, referred test)	Up to 10 days	€58.00
<b>Lawsonia</b> (Serum, referred test)	Up to 10 days	€30.00
<b>Glanders</b> (Serum, referred test)	Up to 10 days	€33.00
<b>Dourine</b> (Serum, referred test)	Up to 10 days	€33.00
<b>E. Cuniculi</b> (Referred test)	Up to 14 days	€38.00
<b>Ehrlichiosis</b> (Referred test)	Up to 14 days	On request
<b>Equine protozoal myelitis</b> (Referred test)	Up to 21 days	€105.00
Small / Companion Animal Profiles	Turnaround Time	Price
<b>Diagnostic Haematology (EDTA)</b> Full blood count (including differential)	Same day	€28.00
<b>Diagnostic Biochemistry (Serum)</b> Total protein, albumin, globulin, urea, creatinine, ALT, SAP & glucose	Same day	€28.00
<b>Diagnostic Haematology &amp; Biochemistry (EDTA &amp; serum)</b> Full blood count (including differential), total protein, albumin, globulin, urea, creatinine, ALT, SAP & glucose	Same day	€54.00
<b>Comprehensive profile (EDTA, fluoride oxalate, lithium hep or serum)</b> 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
<b>Kidney profile (Lithium heparin or serum)</b> Total protein, albumin, globulin, urea, creatinine, sodium, potassium, chloride & phosphate	Same day	€40.00
<b>Liver profile (Lithium heparin or serum)</b> Total protein, albumin, globulin, ALP, ALT, total bilirubin & bile acids	Same day	€43.00
<b>Clotting and anaemia profile (EDTA &amp; sodium citrate)</b> Full blood count (including smear examination), DCT (canine only), prothrombin time, activated partial thromboplastin time & reticulocyte count	Same day	€88.00
<b>PU/PD profile (EDTA, fluoride oxalate, lithium hep or serum)</b> 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

Endocrinology	Turnaround Time	Price
<b>PMSG/Equine chronic gonadotropin</b> 42 – 95 days post-mating (Serum, referred test)	Up to 10 days	€45.00
<b>Oestrone sulphate</b> Pregnancy >120 days post-mating (Serum)	Up to 5 days	€42.00
<b>Progesterone</b> (Serum)	Same day	€25.00
<b>Inhibin</b> (Serum, referred test)	Up to 4 weeks	€95.00
<b>Testosterone</b> (Serum)	Same day	€48.00
<b>Oestrone sulphate</b> Rig cryptorchid test for horses of 3yrs+ (Serum, referred test)	Up to 10 days	€49.00
<b>Testosterone rig cryptorchid test</b> (Serum x 2)	Same day	€70.00
<b>Cortisol</b> (Serum)	Same day	€36.00
<b>ACTH stimulation test</b> (Serum, 2x cortisol)	Same day	€70.00
<b>T4</b> (Serum)	Same day	€16.00
<b>T3</b> (Serum, referred test)	Up to 10 days	€50.00
<b>Insulin</b> (Serum)	Same day	€42.50
<b>ACTH</b> (EDTA plasma chilled or frozen)	Same day	€25.00
<b>TSH</b> (Serum – small animals only, referred test)	Up to 10 days	€55.00
<b>T4 &amp; TSH</b> (Serum – small animals only, referred test)	Up to 10 days	€65.00
<b>T4, T3 &amp; TSH</b> (Serum – small animals only, referred test)	Up to 10 days	€95.00
<b>DXM Suppression Test</b> (Serum, 2x cortisol)	Same day	€70.00
<b>TRH Stimulation Test</b> (EDTA plasma chilled, 2x ACTH)	Same day	€44.00
<b>Antimullerian hormone</b> (Serum)	Up to 7 days	€70.00

# CLINICAL PATHOLOGY

General Test List	Turnaround Time	Price
Activated Partial Thromboplastin Time	Same day	€25.00
Allergy Screen	Up to 10 days	€70.00
ALT	Same day	€12.50
Amylase	Same day	€12.50
AST	Same day	€17.00
Albumin	Same day	€12.50
B12/Folate (Referred test)	Up to 7 days	€50.00
B12/Folate/TLI (Referred test)	Up to 7 days	€72.50
Bile acids	Same day	€13.50
Bilirubin	Same day	€12.50
Blood pack (Prep of plasma)	Same day	€15.00
Blood packs (Washed cells)	Same day	€75.00
Calcium	Same day	€12.50
Chloride	Same day	€12.50
Canine Specific Pancreatic Lipase (Referred test)	Same day	€82.50
Cholesterol	Same day	€12.50
CK	Same day	€16.50
Coombs Test	Same day	€25.00
Copper	Same day	€12.50
Cortisol assay	Same day	€36.00
Creatinine	Same day	€12.50
Creatinine clearance (stud)	Same day	€55.00
Culicoides	Up to 10 days	€73.50



# CLINICAL PATHOLOGY

General Test List (cont'd)	Turnaround Time	Price
Differential	Same day	€10.50
Electrolytes	Same day	€27.00
Electrophoresis (protein)	Up to 7 days	€30.00
Fibrinogen	Same day	€15.00
Fructosamine	Same day	€20.00
GGT	Same day	€12.50
GLDH	Same day	€12.50
Glucose	Same day	€12.50
Glucose Tolerance Test	Same day	€60.00
GPX (SE)	Up to 5 days	€12.50
IGG	Same day	€30.00
Iron	Same day	€12.50
LDH	Same day	€12.50
LDH Isoenzymes (Referred test)	Up to 7 days	€50.00
Lipase	Same day	€21.00
Magnesium	Same day	€12.50
Phosphate	Same day	€12.50
Potassium	Same day	€12.50
Phenobarbitone (Referred test)	Up to 10 days	€40.00
Protein	Same day	€12.50
Prothrombin	Same day	€25.00
SAP	Same day	€12.50
Selenium - toxicity (Referred test)	Up to 14 days	€40.00
Semen analysis	Up to 2 days	€75.00
Serum amyloid A	Same day	€17.00



# CLINICAL PATHOLOGY

General Test List (cont'd)	Turnaround Time	Price
<b>Spin of blood sample</b>	Same day	€12.50
<b>TLI – Canine</b> (Referred test)	Up to 7 days	€60.00
<b>TLI – Feline</b> (Referred test)	Up to 7 days	€85.00
<b>Tapeworm ELISA</b> (Referred test)	Up to 7 days	€31.50
<b>Zinc</b>	Up to 5 days	€12.50

Equine Pre-breeding / Sales Tests	Turnaround Time	Price
CEM swab – Mare (with certificate)	7 days	€31.50
CEM swab – Mare (with certificate) – batch of 10-20 swabs	7 days	€30.00
CEM swab – Mare (with certificate) – batch of 20+ swabs	7 days	€28.00
CEM swab – Stallion (with certificate)	7 days	€90.00
CEM PCR (with certificate) Samples received before 10.00am Monday – Thursday will be ready by Friday PM.	2 days	€45.00
Mare breeding profile (with certificates) CEM, EIA & EVA	7 days	€63.00
Mare breeding profile (with certificates) CEM & EVA	7 days	€53.00

General Cultures	Turnaround Time	Price
Cervical/endometrial/vaginal swab (Aerobic & anaerobic culture & antibiotic sensitivity)	2 – 4 days (24hr result on request)	€26.00
Uterine lavage (Aerobic & anaerobic culture, antibiotic sensitivity, cytology & fungal culture)	2 – 3 days	€40.00
Cytology smear	Same day	€15.00
Abcess/wound discharge swab (Culture, antibiotic sensitivity & enrichment)	3 days	€35.00
Aural/oral/ocular swab (Aerobic & anaerobic culture, antibiotic sensitivity & fungal culture)	3 days	€35.00
Nasal swab (Culture and antibiotic sensitivity)	2 – 3 days	€26.50
Antibiotic sensitivity (In addition to the standard panel)	1 day	€10.00 (per antibiotic)

Other Cultures	Turnaround Time	Price
MRSA culture/screening	2 - 3 days	€25.00
Blood culture (Aerobic & anaerobic culture & antibiotic sensitivity)	7 days	€35.00
Fluid analysis (Culture, antibiotic sensitivity & cytology)	7 days	€35.00
Gram stain	1 day	€10.00
Culture/plates for identification and antibiotic sensitivity	2 - 3 days	€25.00
Streptococcus equi (culture)	2 - 4 days	€18.00

# MICROBIOLOGY

Other Cultures (cont'd)	Turnaround Time	Price
Streptococcus equi (culture & antibiotic sensitivity)	2 - 4 days	€26.50
Streptococcus equi PCR	2 - 5 days	€45.00
Streptococcus equi PCR & culture	2 - 5 days	€60.00
Cultures / plates for identification & antibiotic sensitivity	2 – 3 days	€26.00
Equine PCR Tests	Turnaround Time	Price
R. Equi – Vap A PCR	2 days	€45.00
R. Equi – Cholestorol oxidase PCR	2 days	€45.00
CEM PCR (2 swabs)	2 days	€45.00
CEM, Pseudomonas, Klebisellia PCR (Multiplex)	1 day	€55.00
Strep. Equi PCR	2 days	€45.00
Lawsonia PCR	2 days	€45.00
Salmonella PCR	2 days	€45.00
Equine Faecal Examinations	Turnaround Time	Price
Faecal worm egg count	1 day	€13.00
Faecal worm egg count (Batches of 50+ samples)	1 day	€10.00
Lungworm larvae (Baermann technique)	1 – 2 days	€15.00
Fluke egg screens	1 – 2 days	€13.00
Occult blood	1 day	€15.00
Rectal/faecal culture (Aerobic & anaerobic culture, antibiotic sensitivity, Salmonella & Campylobacter)	4 – 5 days	€55.00
Salmonella culture only (including antibiotic sensitivity)	4 – 5 days	€23.00
Gut flora screen	2 days	€25.00
Ectoparasite Examinations	Turnaround Time	Price
Skin scrapings (Microscopy)	1 day	€25.00
Skin scrapings (Microscopy & culture)	7 days	€35.00

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Equine Faecal Examinations (cont'd)	Turnaround Time	Price
<b>Probiotic solution</b>	<b>3 days</b>	<b>€120.00</b>
<b>Campylobacter culture only</b> (including antibiotic sensitivity)	<b>3 – 4 days</b>	<b>€16.00</b>
<b>Salmonella &amp; campylobacter culture only</b> (including antibiotic sensitivity)	<b>4 – 5 days</b>	<b>€30.00</b>
<b>Full equine profile</b> (Egg count, aerobic, anaerobic & antibiotic sensitivity, Salmonella, Campylobacter & Cryptosporidia)	<b>4 – 5 days</b>	<b>€75.00</b>
<b>Cryptosporidia antigen test</b>	<b>1 day</b>	<b>€16.00</b>
<b>Giardia antigen test</b>	<b>1 day</b>	<b>€16.00</b>
<b>Clostridial toxin screen</b> ( <i>Clostridium difficile</i> )	<b>7 days</b>	<b>€15.00</b>
<b>Salmonella typing</b>	<b>Referral test</b>	<b>€25.00</b>

Equine Urine Tests	Turnaround Time	Price
<b>Specific gravity</b> (Refractometer)	<b>1 day</b>	<b>€10.00</b>
<b>Urine</b> (Chemistry)	<b>1 day</b>	<b>€14.00</b>
<b>Urine</b> (Microscopy)	<b>1 day</b>	<b>€18.00</b>
<b>Urine</b> (Chemistry, culture & antibiotic sensitivity)	<b>2 – 3 days</b>	<b>€30.00</b>
<b>Full urinalysis</b> (Chemistry, microscopy, culture & antibiotic sensitivity)	<b>2 – 3 days</b>	<b>€40.00</b>
<b>Calculus analysis</b>	<b>Referral test</b>	<b>€30.00</b>

## Routine Antibiotics Used – All isolates are screened for sensitivity against the following antibiotics:

Ampicillin Amoxycillin Amoxycillin / clavulanic acid Cefquinome Cefuroxime Ceftiofur	Erythromycin Enrofloxacin Framycetin Gentamycin Neomycin Oxacillin	Oxytetracycline Penicillin Sulphonamide (potentiated) Metronidazole (anaerobes)
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# MICROBIOLOGY

<b>Bovine Herd Tests</b>	<b>Turnaround Time</b>	<b>Price</b>
<b>Johnes – serum or milk samples</b> (ELISA method)	<b>Up to 7 days</b>	<b>€2.50 plus VAT</b>
Johnes – serum or milk (PCR method)	<b>Up to 5 days</b>	<b>€50.00</b>
<b>Leptospira – serum or milk samples</b> (ELISA method)	<b>Up to 7 days</b>	<b>€3.50</b>
<b>Neospora canus – serum or milk samples</b> (ELISA method)	<b>Up to 7 days</b>	<b>€3.50</b>
<b>Salmonella – serum or milk samples</b> (ELISA method)	<b>Up to 7 days</b>	<b>€4.00</b>
<b>Ostertagia – serum or milk samples</b> (ELISA method)	<b>Up to 7 days</b>	<b>€4.20</b>
<b>Fasciola – serum or milk samples</b> (ELISA method)	<b>Up to 7 days</b>	<b>€4.00</b>
<b>Mastitis</b> (Culture & sensitivity including dry & lactating antimicrobial therapy)	<b>2 – days</b>	<b>€20.00</b>
<b>Bulk milk testing</b> (ELISA method)	<b>Up to 7 days</b>	<b>On request</b>
<b>Preputial swabs</b> (Campylobacter & trichomonas)	<b>7 days</b>	<b>€25.00</b>
<b>Faecal egg count</b> (Includes coccidia oocysts)	<b>1 – 2 days</b>	<b>€10.00</b>
<b>Fluke worm</b> (Liver and rumen)	<b>1 – 2 days</b>	<b>€10.00</b>
<b>Lungworm</b>	<b>2 days</b>	<b>€10.00</b>
<b>Salmonella culture</b>	<b>3 – 4 days</b>	<b>€15.00</b>
<b>Cryptosporidia antigen test</b>	<b>1 day</b>	<b>€16.00</b>
<b>Bovine Milk Tests</b>	<b>Turnaround Time</b>	<b>Price</b>
<b>Milk bacteriology testing</b> (Aerobic, anaerobic culture & sensitivity to dry & lactating cow antibiotics)	<b>2 – 4 days</b>	<b>€20.00</b>
<b>Antibiotic residues screen</b> (Milk or feed)	<b>2 days</b>	<b>€20.00</b>
<b>Antibiotic residues confirmation</b>	<b>Referral test</b>	<b>On request</b>

# MICROBIOLOGY

Forensic Testing	Turnaround Time	Price
<b>Basic Screen</b> (Phenylbutazone and Flunixin)	5 days	€80.00
<b>Single Drug Screen</b>	5 days	€80.00
<b>Anabolic Steroids Panel</b>	5 days	€100.00
<b>Corticosteroids / Glucocorticoids Panel</b>	5 days	€100.00
<b>Sedatives / Tranquilisers Panel</b>	5 days	€100.00
<b>NSAIDS / Analgesics Panel</b>	5 days	€100.00
<b>Growth Promoters Panel</b>	5 days	€100.00
<b>Full Drug Screen</b> (NSAIDS, analgesics, steroids, sedatives, growth promoters, corticosteroids, stimulants and other prohibited substances)	5 days	€290.00
<b>Horse Purchase / Veterinary Defence Scheme sample storage</b> Pre-purchase bloods are stored for 6 months – can then be tested on request. VDS kit for sampling supplied at no charge.	6 month storage	€20.00
Small Animal Tests	Turnaround Time	Price
<b>Faecal culture</b> (Aerobic, anaerobic culture & antibiotic sensitivity, Salmonella & Campylobacter)	4 – 5 days	€50.00
<b>Cryptosporidium antigen test</b>	1 day	€16.00
<b>Giardia antigen test</b>	1 day	€16.00
<b>Clostridial toxin screen</b> ( <i>Clostridium perfringens</i> , <i>Clostridium difficile</i> )	7 days	€70.00
<b>Salmonella typing</b>	Referral test	€25.00
<b>Skin smear for malassezia</b> (Cellotape impressions)	1 day	€16.00
<b>Vaginal / prepuce screen</b>	3 – 4 days	€26.00
<b>Aural / oral swabs</b> (Aerobic, anaerobic, fungal culture & antibiotic sensitivity)	2 – 7 days	€40.00
<b>Nasal swabs</b> (Aerobic, anaerobic & fungal culture & antibiotic sensitivity – includes <i>Bordetella bronchiseptica</i> )	2 – 7 days	€26.50
<b>Canine heat smear</b> (Air dried smear or fresh swab without transport medium)	1 day	€20.00
<b>Ocular swabs</b> (Aerobic, anaerobic & fungal cultures & antibiotic sensitivity)	2 – 7 days	€40.00

# MICROBIOLOGY

Nutrition Analysis	Turnaround Time	Price
<b>Nutritional analysis</b> Dry matter, digestible energy, crude protein, fibre fractions & ash	5 days	€60.00
<b>Mineral analysis</b> Full mineral screen, comprised of 17 dietary minerals in forages and 9 minerals in feeds (Referred test)	15 days	Forages €100.00 Feeds €80.00
<b>Nutritional and fungal analysis</b> Dry matter, digestible energy, crude protein, fibre fractions, ash & fungal culture	5 days	€70.00
<b>Nutritional and mineral analysis</b> 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)	15 days	Forages €135.00 Feeds €115.00
<b>Nutritional, Mineral and fungal analysis</b> 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)	15 days	Forages €145.00 Feeds €125.00
Environmental Monitoring Tests	Turnaround Time	Price
<b>Bacterial &amp; fungal culture</b> (Feed & forage swabs)	7 days	€33.00
<b>Fungal culture</b> (Swabs)	7 days	€27.00
<b>Fungal culture</b> (Air samples)	7 days	€27.00
<b>MRSA culture / screening</b> (Includes equipment, premises & staff)	2 – 3 days	€25.00
<b>MRSA culture / screening</b> (Includes equipment, premises & staff – batches of 20+ swabs)	2 – 3 days	€20.00
<b>R. equi culture</b> (Soils, faecal samples & surface swabs)	3 – 5 days	€25.00
<b>R. equi PCR</b> (Soils, faecal samples & surface swabs)	3 – 5 days	€45.00
<b>Mycotoxin screen</b> (ELISA method)	4 – 5 days	€50.00 per mycotoxin
<b>Mycotoxin screen – 3 or more mycotoxins</b> (ELISA method)	4 – 5 days	€35.00 per mycotoxin
Water Testing	Turnaround Time	Price
<b>Supply of sterile water sampling kit</b>	-	€4.50
<b>Water samples – culture</b> (TVC @ 22°C, TVC @ 37°C, <i>E. coli</i> , Coliforms & <i>Enterococci</i> sp.)	4 days	€40.00
<b>Water samples – chemical analysis</b>	Referral test	On request
<b>Salmonella in water</b>	3 days	€15.00
<b>Pseudomonas aeruginosa in water</b>	3 days	€15.00
<b>Clostridia in water</b>	3 days	€15.00



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Commercial Food Testing	Turnaround Time	Price
Salmonella screen	3 days	€10.00
Listeria screen	2 days	€10.00
Campylobacter screen	5 days	€10.00
Total bacteria count	3 days	€10.00
Total viable count (TVC)	2 days	€8.00
Coliform count	3 days	€10.00
Enterobacter count	2 days	€8.00
<i>E. coli</i> count	3 days	€8.00
<i>E. coli</i> 0157 screen	2 days	€25.00
Clostridia screen	3 days	€10.00
Staphylococcus screen	3 days	€10.00
Shelf-life testing	Up to 14 days	€8 per day
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

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Miscellaneous Tests	Turnaround Time	Price
<b>Autogenous wart vaccine</b> (5 – 10 gms required without preservative)	<b>2 – 3 days</b>	<b>€80.00</b>
<b>Autogenous wart vaccine &amp; histological analysis</b> (5 – 10 gms required without preservative)	<b>4 – 7 days</b>	<b>€120.00</b>
<b>Probiotics</b> (Bacteria)	<b>4 – 5 days</b>	<b>On request</b>
Supplies		Price
<b>Blood culture bottles</b>		<b>€10.00</b> Each
<b>Equine long nasal swabs</b>		<b>€4.50</b> Each
<b>Charcoal swabs</b>		<b>€0.50</b> Each
<b>Sterilising / autoclaving of equipment</b>		<b>€21.00</b> per batch

Equine Serology (Antibody Detection)	Turnaround Time (Minimum*)	Price
**Prebreeding screen - Serum neutralization test (SNT) for Equine Arteritis Virus (EAV/EVA) and ELISA for Equine Infectious Anemia (EIA)	2-3 days	€35.00
Respiratory Screen - Equine Herpesviruses 1 and 4, Equine Influenza*** and Equine Rhinitis Virus A	2-3 days	€50.00
Complement Fixation Test (CFT) for Equine Herpesviruses 1 and 4 and Equine Rhinitis Virus A	2 days	€30.00
Complement Fixation Test (CFT) for Equine Herpesviruses 1 and 4	2 days	€25.00
Type Specific ELISA for Equine Herpesviruses 1 and 4	1 day	€33.00
Haemagglutination Inhibition (HI) test for Equine Influenza (Types 1 & 2)***	1 day	€26.00
Single Radial Haemolysis (SRH) for Equine Influenza (per virus)	5 days	€25.00
For two viruses		€40.00
Serum neutralization test (SNT) for Equine Arteritis Virus (EAV/EVA)	2-3 days	€25.00
Serum neutralization test (SNT) for Equine Herpesvirus Type 1 (EHV-1)	5 days	€30.00
Serum neutralization test (SNT) for Equine Herpesvirus Type 4 (EHV-4)	5 days	€35.00
Serum neutralization test (SNT) for Equine Herpesvirus Type 3 (EHV-3)	5 days	€35.00
Serum neutralization test (SNT) for Equine Rotavirus	By arrangement	By arrangement
Coggins – Equine Infectious Anemia (EIA)	2 days	€20.00
ELISA for Equine Infectious Anemia (EIA)	1 day	€15.00
ELISA for West Nile Fever Virus IgG	1 day	€30.00
ELISA for West Nile Fever Virus IgM	2 days	€35.00
ELISA for African Horse Sickness	1 day	€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.

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.

PCR Tests	Turnaround Time (Minimum*)	Price
Equine Arteritis Virus (EAV/EVA)	2 days	€33.00
Equine Herpesvirus 1 (EHV-1)	2 days	€33.00
Equine Herpesvirus 4 (EHV-4)	2 days	€33.00
Equine Herpesviruses 1 and 4 (EHV-1 and EHV-4)	2 days	€55.00
Equine Herpesvirus 3 (EHV-3)	2 days	€33.00
Equine Herpesvirus 2 (EHV-2)	3 days	€33.00
Equine Herpesvirus 5 (EHV-5)	3 days	€33.00
Equine Herpesviruses 1 and 4 (EHV-1 and EHV-4) and Equine Influenza Virus*	2 days	€75.00
Equine Influenza Virus**	2 days	€33.00
Equine Rhinitis Virus A (ERAV)	2 days	€33.00
Equine Rhinitis Virus B (ERBV)	2 days	€33.00
Equine Rhinitis Viruses A and B (ERAV and ERBV)	2 days	€55.00
Equine Adenovirus	2 days	€33.00
West Nile Fever Virus (WNV)	2 days	€33.00
African Horse Sickness Virus (AHSV)	2 days	€33.00
Equine coronavirus	2 days	€33.00
Equine infectious anemia	2 days	€33.00
Asinine Herpesvirus 3	2 days	€33.00
Equine Piroplasmiasis	2 days	€33.00

\*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.

\*\*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. Nasal swabs and virus transport medium are available from the Virology Unit.

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Equine Virus Detection	Turnaround Time (Minimum*)	Price
<b>Virus Isolation (per single cell line)</b> (Swabs, blood, tissue or tracheal washes)	<b>By arrangement</b> (usually 1 – 3 weeks)	€50.00
<b>Rotavirus detection in faeces</b>	<b>1 day</b>	€26.00
<b>Antigen ELISA for Equine Influenza*</b>	<b>1 day</b>	€35.00
<b>Detection of Equine Arteritis Virus carrier status in stallion</b> (Semen)	<b>By arrangement</b>	€200
Bovine Serology (Antibody Detection)	Turnaround Time (Minimum)	Price
<b>BVD Antibody ELISA</b> (Bulk milk)	<b>2 days</b>	€8.00
<b>BVD Antibody ELISA</b> (Blood)	<b>1 day</b>	€5.00
<b>BVD Antibody ELISA</b> (Pooled blood – 10 samples)	<b>2 days</b>	€15.00
<b>IBR Total Antibody ELISA</b> (Bulk milk)	<b>1 day</b>	€8.00
<b>IBR Total Antibody ELISA</b> (Blood)	<b>1 day</b>	€5.00
<b>IBR gE Antibody ELISA</b> (Bulk milk or blood)	<b>2 days</b>	€8.00
<b>Schmallenberg ELISA</b> (Blood)	<b>1 day</b>	€12.00
<b>Schmallenberg ELISA</b> (Milk)	<b>1 day</b>	€20.00
<b>PI3 ELISA</b> (Milk or blood)	<b>1 day</b>	€10.00
<b>RSV ELISA</b> (Milk or blood)	<b>1 day</b>	€10.00
<b>Mycoplasma bovis</b> (Blood)	<b>1 day</b>	€15.00
<b>Mycoplasma bovis</b> (Milk)	<b>1 day</b>	€20.00
<b>Bluetongue virus</b>	<b>1 day</b>	€15.00
BVD Eradication Scheme	Turnaround Time	
<b>Ear notch testing</b>	95% of results are submitted to ICBF within 4 days and 99% within 7 days	€3.60
<b>Ear notch testing prepaid/by contract</b>		€3.40
<b>Negative Herd Status (NHS) prepaid/by contract</b>	95% of results are submitted to ICBF within 4 days and 99% within 7 days	€2.50

**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.

Bovine Antigen Detection	Turnaround Time (Minimum)	Price
<b>BVD Antigen ELISA</b> (Blood)	1 day	€8.00
<b>Rotavirus Detection</b> (Faeces)	1 day	€15.00
<b>Corona Virus Detection</b> (Faeces)	1 day	€15.00
Bovine PCR Tests	Turnaround Time (Minimum*)	Price
<b>BVD PCR</b> (Individual blood sample)	2 days	€15.00
<b>BVD PCR</b> (Bulk milk sample – 50ml volume)	2 days	€30.00
<b>BVD PCR</b> (Pooled blood sample)	2 days	€30.00
<b>IBR PCR</b> (Nasal swab or lung wash) Pool of five	2 days	€30.00 €60.00
<b>Rotavirus and coronavirus</b> (Faeces)	2 days	€35.00
<b>RSV</b> (Nasal swab or lung wash) Pool of five	2 days	€30.00 €60.00
<b>PI3</b> (Nasal swab or lung wash) Pool of five	2 days	€30.00 €60.00
<b>Schmallenberg</b> (Blood, spleen, brain )	2 days	€30.00
<b>Mycoplasma bovis</b> (Milk)	By arrangement	
Porcine Tests	Turnaround Time (Minimum*)	Price**
<b>PRRSV PCR</b> (Blood, semen or oral fluid)	By arrangement	
<b>PRRSV antibody</b>	By arrangement	
<b>Rotavirus</b> (Faeces)	1 day	€15.00
<b>Aujeszky antibody</b>	By arrangement	

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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.

Ovine Tests	Turnaround Time (Minimum*)	Price
Schmallenberg antibody (Blood)	1 day	€12.00
Schmallenberg antibody (Milk)	1 days	€20.00
Schmallenberg PCR (Blood, spleen or brain)	2 days	€30.00
Rotavirus (Faeces)	1 day	€15.00
Border Disease antibody (Blood)	1 day	€5.00
Border Disease antibody (Milk)	2 days	€8.00
Border Disease - PCR	2 days	€30.00
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	€28.00
Single radial haemolysis for influenza	5 days	€25.00
Pigeon Virology	Turnaround Time (Minimum*)	Price
Herpesvirus PCR	2 days	€33.00
Adenovirus PCR	2 days	€33.00
Circovirus PCR	2 days	€33.00
Chlamydia PCR	2 days	€33.00
Herpesvirus, Adenovirus and Circovirus PCR	2 days	€75.00
Herpesvirus, Adenovirus, Circovirus and Chlamydia PCR	2 days	€100.00
Rotavirus antigen detection	1 day	€26.00
Elephant Virology	Turnaround Time (Minimum*)	Price
Elephant Herpesvirus PCR	By arrangement	

\*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.



Equine Pathology	Turnaround Time	Price
Post mortem examination on fetus & disposal	* Verbal report 1-2 days <input type="checkbox"/> Written report 7-14 days +	No charge
Post mortem examination on foal (0 – 2 weeks) & disposal	* Verbal report 1-2 days <input type="checkbox"/> Written report 7-14 days +	No charge
Post mortem examination on foal (2 weeks – 6 months) & disposal	* Verbal report 1-2 days <input type="checkbox"/> Written report 7-14 days +	€140.00
Post mortem examination on horse aged 6 months+ & disposal	*Verbal report 1-2 days <input type="checkbox"/> Written report 7-14 days +	€250.00
Euthanasia, post mortem examination & disposal on horse aged 6 months+	*Verbal report 1-2 days <input type="checkbox"/> Written report 7-14 days +	€300.00
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 +	€53.00
Tracheal lavage analysis	*48 hours written report	€40.00
Bronchoalveolar lavage analysis	*48 hours written report	€40.00
Bronchoalveolar lavage sampling	n/a	€35.00
Biopsy - 3 samples (Additional samples €10.00 each)	Up to 7 days (written report)	€35.00
Small animal histopathology	Up to 10 days (written report) <input type="checkbox"/>	€45.00
Vas deferens	Up to 7 days	€25.00

\* Depending on time of submission  
 Unless additional testing required