



Submission of samples

The Fish Diseases Unit is open Mon-Fri 9 am to 5 pm.

- **Postal samples must be submitted packaged with chill boxes (or similar) according to appropriate packaging regulations e.g. IATA etc.**
- Advanced notice of submissions is appreciated.
- Sick fish are best submitted live.
- Where this is not possible mortalities of less than 24 hrs may be submitted. These should be kept cold but not frozen
- We aim to report any significant findings by phone as soon as possible and to provide a full written report within 14 working days.

Submission forms can be downloaded from:

www.afbini.gov.uk/publications/fish-disease-unit-submission-form

FDU Staff

Head of Virology Department:

Prof Louise Cosby

Tel. +44 2890 525 672

Email: Louise.Cosby@afbini.gov.uk

Head of Fish Diseases Unit

Gintare Bagdonaite

Tel. +44 2890 525 683

Gintare.Bagdonaite@afbini.gov.uk

Scientific Staff

Lab manager: Paul Savage

Amanda Brown

Elena Fringuelli

Nuala Gray

Keith Maxwell

Contact FDU

Fish Diseases Unit

Veterinary Sciences Division

AFBI Stormont

Belfast BT4 3SD

Northern Ireland

Tel. +44 2890 525 709 or +44 2890 525 710

www.afbini.gov.uk

To find out what AFBI can do for your business, contact:

AFBI Innovations, AFBI Headquarters, 18a Newforge Lane,

Belfast BT9 5PX, Northern Ireland, UK

Tel: +44 2890 255 636

Fax: +44 2890 255 035

info@afbini.gov.uk

www.afbini.gov.uk

FISH DISEASES UNIT



**Providing diagnosis of
aquaculture diseases
and research into the
responsible pathogens**

Diagnostic service

Our diagnostic service covers:

- Farmed fresh water and marine fish
- Shellfish
- Ornamental, wild and tropical fish

Techniques

ISO 9001 accredited laboratory and ISO 17025 techniques used*

- Virology / virus isolation
- Serology
- Conventional and real time polymerase chain reaction (PCR)*
- Phylogenetic Analysis
- Sequence and genome analysis
- Bacteriology
- Parasitology
- Histopathology
- Haematology
- Biochemistry



Fish Diseases Unit

Testing for the presence of...

- Salmonid alphavirus (SAV: cause of pancreas disease and sleeping disease)
- Infectious Pancreatic Necrosis Virus (IPNV)
- Viral Haemorrhagic Septicaemia Virus (VHSV)
- Infectious Haematopoietic Necrosis Virus (IHNV)
- *Marteilia refringens*, *Bonamia ostreae* and *exitiosa* in oysters
- *Gyrodactylus salaris*
- *Renibacterium salmoninarum* (cause of bacterial kidney disease)
- Spring Viraemia of Carp Virus (SVCV)
- Infectious Salmon Anaemia Virus (ISAV)
- Atlantic Salmon Paramyxovirus (ASPV)
- *Piscichlamydia salmonis*
- *Tenacibaculum maritimum*
- *Paranucleospora* (theridon)
- *Neoparamoeba* spp
- Koi Herpes Virus (KHV)
- Epizootic Haematopoietic Necrosis (EHN)
- Ostreid herpes virus 1 (screening and confirmation of μ variant)

www.afbini.gov.uk

- White Spot Syndrome Virus (WSSV)

Additional services

- Contracted research: diagnostic test development, vaccine testing and pathogenesis studies.
- Determination of virucidal and bactericidal efficacy of disinfectants for addition to the CEFAS disinfectant listing scheme (www.efishbusiness.co.uk)
- Freshwater experimental facilities
- Electron microscopy service

Research

The Fish Diseases Unit is a Centre of excellence for research on Salmonid Alphavirus (SAV).

For a full list of publications, see:

www.afbini.gov.uk/fish-unit-diseases-intro/fish-unit-research.htm

Veterinary Sciences Division