



Classical Swine Fever Monitoring Programme

Background

Classical swine fever (CSF) is caused by the classical swine fever virus (CSFV). This is a virus in the family *Flaviviridae*, of the genus *Pestivirus*. This genus also includes bovine viral diarrhoea (BVD) virus and the border disease virus. Classical swine fever can take an acute or chronic course. Clinical signs include respiratory signs and gastrointestinal signs in acute cases, and nonspecific signs including intermittent fever, chronic enteritis and chronic wasting in chronic cases. As with other pestiviruses, infection of porcine foetuses at certain stages can result in the birth of persistently viraemic animals. CSF does not affect humans. Ireland was awarded Classical Swine Fever free status by the OIE in May 2015. See link below:

<http://www.oie.int/animal-health-in-the-world/official-disease-status/classical-swine-fever/list-of-csf-free-member-countries/>

CSF was last reported in Ireland in 1958. Vaccination against CSF has never been carried out in Ireland, and it is prohibited under the Control of Animal Vaccines Regulations 2014 [S.I. No. 193 of 2014].

Surveillance design

Surveillance for CSF in Ireland is carried out in accordance with Articles 15.2.26 to 15.2.32 of the OIE's terrestrial animal health code.

Active surveillance for CSF

The following CSF testing (initiated by DAFM) is carried out in Ireland:

- Sampling of cull sows in slaughter plants to provide confidence of freedom from the disease. Blood samples for the programme are taken from cull sows in slaughter plants. Herds which contain twenty sows or more are eligible for sampling. The upper limit for the number of samples to be taken from any one herd is twenty. All tests are carried out in the blood testing laboratory operated by the Department of Agriculture, Food and the Marine (DAFM) in Cork.
- Serological testing of boars prior to entry and whilst in approved semen collection centres (in accordance with Council Directive 90/429/EEC)
- Serological testing of pigs prior to export in accordance with Third Country certification requirements



Passive surveillance for CSF

It should be noted that the active surveillance outlined above is supplementary to the passive surveillance which Ireland regards as its mainstay in detecting incursions of exotic disease.

CSF is a notifiable disease in Ireland, meaning that anyone who suspects that an animal or animal product is affected by the disease is legally obliged to notify DAFM.

Beyond disease reporting, DAFM operates a network of regional veterinary laboratories, strategically located around the country. Farmers and private veterinary practitioners (PVPs) submit large numbers of samples to the laboratories every week. This provides an additional route for DAFM to detect an incursion of CSF.

Farmers are encouraged to report suspicions of CSF to their local Regional Veterinary Office, and to make use of their local Regional Veterinary Laboratory to aid with diagnosis of disease conditions.

CSF surveillance results 2015-2020:

Table 1: Results of serology on samples from culled sows to support official OIE freedom

Year	No. serology samples	No. CSF positive
2016	2519	Nil
2017	2080	Nil
2018	2712	Nil
2019	3073	Nil
2020	2220	Nil

Table2: Results of tests carried out for import/export purposes, health surveillance of boars in semen centres or as part of disease investigations

Year	No. of samples	No. CSF positives
2016	617	Nil
2017	478	Nil
2018	447	Nil
2019	317	Nil
2020	541	Nil