

Advice 05-2010 of the Scientific Committee of the FASFC on the new surveillance policy of animal diseases – part cattle (other matrixes), small ruminants and pigs

Following the alleviation of the surveillance programs for bovine leucosis and brucellosis, it is asked to the Scientific Committee to make propositions concerning the epidemiological surveillance of animal diseases as part of the new sanitary policy of the FASFC.

In the rapid advice 26-2009 (+ addendum), the Scientific Committee has already put forward propositions to monitor bovine diseases based on sampling of non coagulated blood / serum.

In this advice, propositions to monitor bovine diseases based on other matrixes are given. In decreasing order of importance, it concerns Paratuberculosis, indicator germs, MRSA and VTEC.

Propositions to monitor small ruminant infections are also emitted based on at random sampling of different matrixes. In decreasing order of importance, it concerns Q fever, Bluetongue, Paratuberculosis, West Nile fever, Maedi-Visna, Caprine arthritis/encephalitis, caseous lymphadenitis, Rift valley fever and Crimean–Congo hemorrhagic fever.

It is also recommended to implement an « abortion » protocol to small ruminants. A non exhaustive list of diseases is proposed to know the prevalence in regard to abortion: Q fever, Border Disease, chlamydiosis, Campylobacter fetus, Toxoplasma, Listeria, Brucella melitensis, Bluetongue, Leptospira, Néospora, Rift Valley Fever and Salmonella abortus ovis.

Finally, recommendations are given to monitor infections in swine based on at random sampling of different matrixes. In decreasing order of importance, it concerns Salmonella, Brachyspira hyodysenteriae, Toxoplasma, Yersinia enterocolitica, Hepatitis E, indicator germs, MRSA and Nipah virus.

It is also recommended to implement a “respiratory diseases” protocol in swine, with a targeted sampling based on the declaration of acute respiratory clinical signs, in order to stimulate the differential diagnosis in case of respiratory diseases. This protocol is most importantly aimed at the surveillance of the epidemiological situation of swine influenza viruses, as recommended in the advice 34-2009 of the Scientific Committee, but includes also the following diseases : Actinobacillus pleuropneumoniae, Mycoplasma hyopneumoniae, atrophic rhinitis (Pasteurella multocida and Bordetella bronchiseptica), Porcine Reproductive and Respiratory Syndrome Virus and Aujeszky's disease.

These lists are not exhaustive or definitive. The recommendations are given according to the current Belgian epidemiological situation, and may be adapted in case of a possible future evolution of the epidemiological situation.

The full text is available on this website in dutch and in french, respectively under the section “Wetenschappelijk Comité/Adviezen” and “Comité scientifique/Avis”.