

UP ANSES - Dozulé Laboratory for Equine Diseases

OTHER SUPERVISORY BODIES

Agence Nationale Sécurité
Sanitaire Alimentaire Nationale

UNIT MANAGER

Aymeric HANS

LOCATION

Region : Normandie (Dozulé)

University site : Normandie
Université

Address :
Goustranville - 14430 Dozulé

The Dozulé laboratory for equine diseases concentrates on controlling health risks related to infectious or parasitic diseases in horses through two key focuses: (i) epidemiology and epidemiological surveillance of these diseases; (ii) improving diagnostic and test tools. Its 30-strong staff works in three research units:

• Bacteriology and Parasitology Unit

- Molecular characterization and typing of isolates of *Taylorella equigenitalis*, agent of contagious equine metritis, and *Taylorella asinigenitalis* circulating in equine and asine populations in France and Europe.
- Study of the ecology of the contagious equine metritis agent within the microflora of the equine genital tract with the objective of improving detection and control methods.
- Participation in studies on virulence and antibiotic resistance in equine pathogenic bacteria from autopsy strain libraries and/or epidemiological investigations.
- Improvement of serological and molecular diagnostic methods for dourine.
- Evaluation of the possibility of effectively treating dourine.

• Epidemiology and Pathological Anatomy Unit

- Epidemiology of equine mortality (qualitative and quantitative aspects).
- Evaluation of the sensitivity of epidemiosurveillance devices for 3 equine diseases (IEA, AVE, MCE) and proposal for improvement by interconnection between the devices.
- Study of the evolution of antibiotic resistance of the main bacterial species responsible for abortion and stillbirth in French mare.

• Virology Unit

- Molecular characterization of equine infectious anaemia strains encountered in France and Europe.
- Improvement of serological and molecular diagnostic methods for equine infectious anaemia.
- Study of the role of testosterone on the persistence and replication of Equine Viral Arteritis virus (EVA).
- Characterization of the antiviral properties of synthetic molecules on Equine Infectious Anemia Virus (EIA) and Equine Viral Arteritis Virus (EVA).

Unit website :

<https://www.anses.fr/fr/content/laboratoire-de-pathologie-équine-de-dozulé#onglet0-tab>