Service ID S00033

Location Austria

Testing of the heat detection function of an animal health monitoring sys

Provider service

Raumberg Gumpenstein Research & Development (RGRD)

Link to content

https://agrifoodtef.eu/catalogue-of-services/testing-heat-detection-function-animal-health-monitoring-system

Type of Sector

Livestock farming

Accepted type of products

Physical system

Type of service

Collection of test data, Provision of datasets, Test design, Test execution, Test setup

Description

This specialised service offers comprehensive evaluation of heat detection systems in dairy cattle, utilising milk progesterone testing. The process involves systematic collection and analysis of milk samples to establish progesterone profiles, correlating these with data from existing heat detection technologies. This method provides an objective, scientifically rigorous assessment of the system's accuracy in identifying oestrus events, crucial for enhancing reproductive management in dairy herds. The service is designed to support enterprises in validating and optimising their cattle reproductive health monitoring systems.

How can the service help you

The service can help you by providing an objective and scientifically rigorous evaluation of your heat detection system’s accuracy in identifying oestrus events in dairy cattle. By correlating progesterone profiles from milk samples with your system's data, it allows you to validate and optimise your reproductive health monitoring system, ensuring more effective reproductive management and improved outcomes for your dairy herd.

How the service will be delivered

The service can be tailored to your needs by adjusting group size, housing conditions, and other specific requirements to align with your goals.

Service customisation

The service will be delivered at our research facility, where milk samples from dairy cattle will be systematically collected and analysed to establish progesterone profiles. This controlled environment ensures accurate testing conditions, allowing us to rigorously compare your system’s heat detection data with the progesterone-based oestrus indicators to provide a reliable assessment of its performance. Additionally, tests can be conducted at pilot farms to meet specific needs referring to environmental conditions, such as different housing systems.