



Listeria Sheep Test

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ELISA assay for the detection of antibodies against
Listeria monocytogenes in sheep serum and plasma



Listeria monocytogenes is the causative agent of listeriosis, a severe disease associated with a high case fatality rate. Nearly all the domestic animals are susceptible to *L. monocytogenes* infections, but animal listeriosis most commonly occurs in ruminants.



In sheep, *L. monocytogenes* primarily causes encephalitis and uterine infections. In addition, the bacterium can cause eye infections and keratitis. Uterine infections determine late-term abortions or septicaemia in neonates.

The encephalitic form of animal listeriosis is characterized by neurological signs, including circling, excessive salivation, and unilateral facial paralysis. Sheep usually have an acute form of listeriosis and death occurs in 4-48 hours. Recovery is rare.

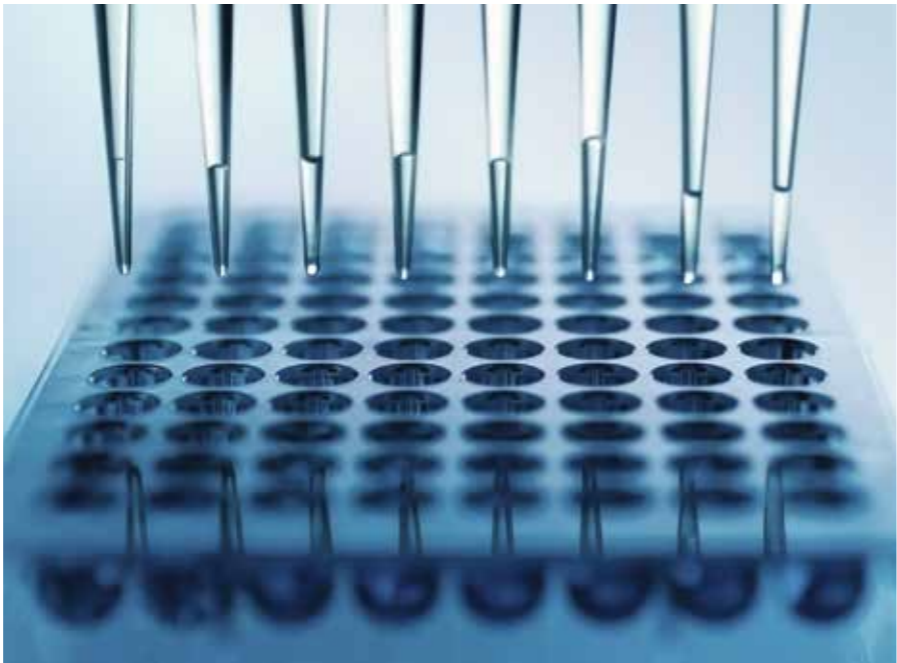
The prevalence of *L. monocytogenes* on ruminant farms is seasonal and associated with farm management practices, animal health and feedstuffs quality and storage. Animals can be infected by the ingestion of feedstuffs contaminated with *L. monocytogenes* which is widely distributed in the farm's environment: it is found in soil, faeces and nasal secretions of healthy animals, water troughs and animal feeds.

Listeriosis is a zoonotic disease, and the decisive role in the prevention of food-borne listeriosis in human beings is the reduction of this microorganism in all the critical stages of the food production in addition to the distribution chain, including the epidemiological surveillance of livestock.

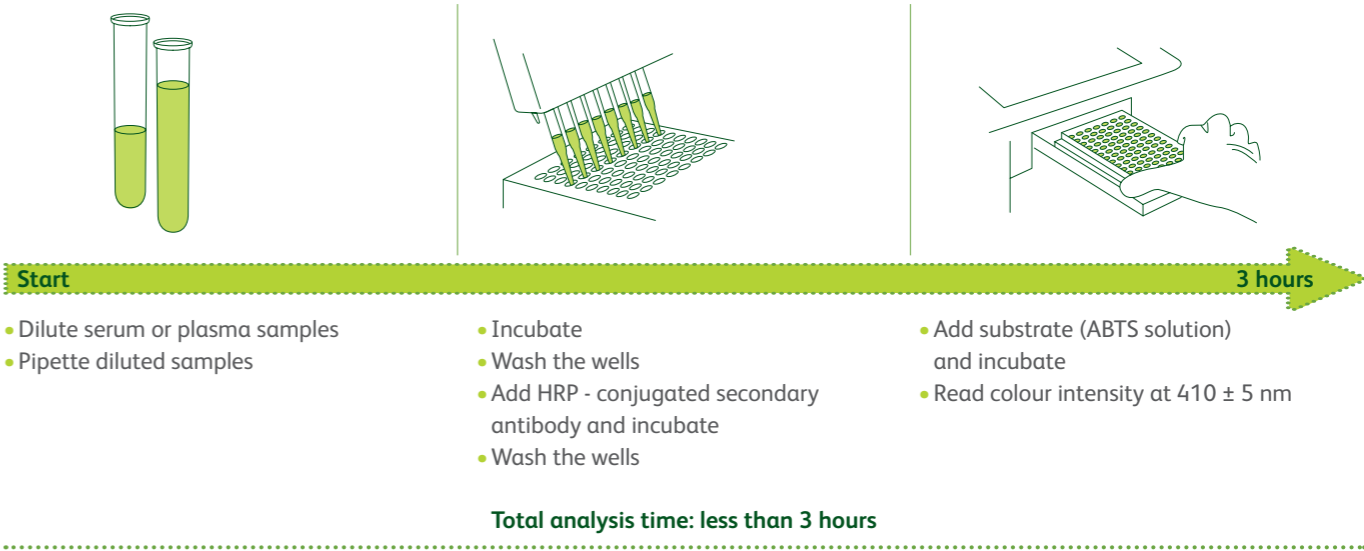
The Listeria Sheep Test is an indirect enzyme-linked immunosorbent assay (ELISA) intended for the rapid detection of anti-Listeriolysin O (LLO) antibodies in sheep serum and plasma. The LLO is a specific toxin recognized as the major determinant of the humoral response against *L. monocytogenes* in animals and humans.

Field of application

- Rapid serological screening of sheep herds to detect infected animals
- Sensitive and specific test to understand the prevalence and risk of *L. monocytogenes* infection in the flock in order to develop appropriate control strategies



Workflow



Benefits of Listeria Sheep Test:

- Confidence**
Clear and reproducible results, independent of operator technique or interpretation
- Ease of use**
Minimal hands-on time
- Speed**
High capacity load in less than 3 hours
- Convenience**
All reagents and solutions are included and ready to use

Ordering information

Code	Product	Size
AKE0006	Listeria Sheep Test	96 tests / 1 plate

