

# LISTERIA SHEEP TEST



Listeriosis, caused by the Gram-positive bacterium *Listeria monocytogenes*, is a global pathogen affecting a wide range of species.

In sheep, the bacterium primarily causes abortion, encephalitis, and septicemia, often resulting from the ingestion of contaminated feed. Prompt diagnosis is critical for effective disease prevention and control in farm animals.

While traditional culture methods are time-consuming and often lack specificity, serological assays like ELISA offer a crucial advantage. ELISA is recognized for its speed, widespread availability, high sensitivity, and specificity, making it the superior diagnostic tool for rapidly screening and managing *Listeria* infection in sheep flocks.

The *Listeria* Sheep Test is an Enzyme-Linked Immunosorbent Assay (ELISA) designed for the detection of IgG antibodies against *Listeria monocytogenes* in sheep.

## Product highlights

### SPECIFICITY

Detection of anti-Listeriolysin O (LLO) antibodies in sheep serum

### RELIABLE & REPRODUCIBLE

Clear, consistent results independent of operator skill

### FAST & CONVENIENT

High sample throughput with results in less than 3 hours

## Intended use



Detection of IgG antibodies against *Listeria monocytogenes* in sheep serum

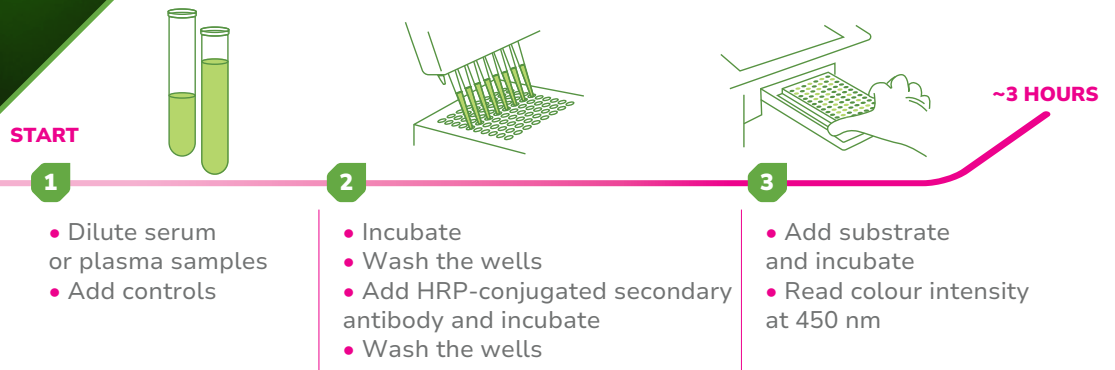


Diagnosis of abortive listeriosis and monitoring of vaccination responses



Demonstrate freedom from infection in individual animals, herds, or populations

## Workflow



Total analysis time: ~3 hours

## Product Features

### 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

## Technical specifications

<b>TEST METHOD</b>	Enzyme-Linked Immunosorbent Assay (ELISA)
<b>FORMAT</b>	96 tests
<b>STORAGE TEMPERATURE</b>	+2 to +8 °C
<b>SPECIES SAMPLE</b>	Sheep
<b>SAMPLE TYPE</b>	Serum/Plasma
<b>ASSAY TURNAROUND TIME</b>	< 3 hours

## Diagnostic specificity and Sensitivity

**Purpose 1 – Historical freedom**, e.g. contribute to demonstration of freedom from infection in a defined population

DIAGNOSTIC SENSITIVITY	DIAGNOSTIC SPECIFICITY
<b>89.74%</b> (75.78% – 97.13%)	<b>99.64%</b> (98.03% – 99.99%)

**Purpose 2 – Confirmatory diagnosis of suspect or clinical cases**

DIAGNOSTIC SENSITIVITY	DIAGNOSTIC SPECIFICITY
<b>89.74%</b> (75.78% – 97.13%)	<b>99.62%</b> (97.92% – 99.99%)

**Purpose 3 – Determination of immune status in individuals or populations post vaccination**

DIAGNOSTIC SENSITIVITY	DIAGNOSTIC SPECIFICITY
<b>100.00%</b> (79.41% – 100.00%)	<b>100.00%</b> (79.41% – 100.00%)

## ORDERING INFORMATION

LISTERIA SHEEP ELISA TEST

CODE	SIZE
<b>AKE0006</b>	<b>1 PLATE/96 TESTS</b>

For more information or to place an order, contact us at [info@diatheva.com](mailto:info@diatheva.com)