



Salmonella Abortusovis Test

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Sheep anti-*Salmonella* Abortusovis IgG Immunoassay



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Salmonella Abortusovis, a sheep-adapted serotype, is the main cause of abortion in pregnant ewes while the fetus or newborn can develop lethal infections. Its importance lies in the economic losses that occur in ovine production systems in regions that depend on sheep farming.



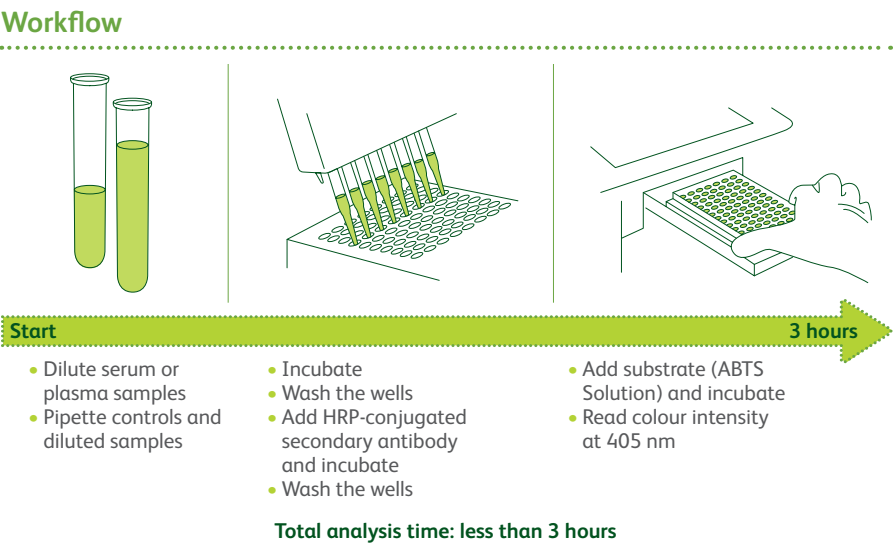
Abortion in sheep due to *S. Abortusovis* is an important health concern in the Mediterranean area, where the sheep industry has a significant economic impact. Infections have been reported in several countries where sheep farming is common.

S. Abortusovis is generally introduced into a flock by an infected sheep, which shows no overt disease manifestations but expels the pathogen through colostrum, milk or feces. The major mode of disease transmission is ingestion of *S. Abortusovis* that may be present in food and water contaminated by uterine fluids, aborted fetuses and infected newborns.

Ovine salmonellosis due to *S. Abortusovis* is on the list of diseases notifiable to the World Organization of Animal Health (OIE) and in several countries, is included in Regulations defining the sanitary conditions for sheep trade and movement.

The *Salmonella Abortusovis* Test, is an indirect enzyme-linked immunosorbent assay intended for the rapid detection of anti-*Salmonella* Abortusovis IgG in sheep serum and plasma.

- Field of application**
- Rapid serological identification of infected animals
 - Demonstrate historical freedom from infection in a defined population (country/zone/compartments/flock)
 - Understand the prevalence and risk of *S. Abortusovis* infection at a herd management level
 - Check the immunity response to *S. Abortusovis* vaccination
 - Supplemental test to confirm the diagnosis of *S. Abortusovis* infections, in conjunction with culture method



- Benefits of *Salmonella* Abortusovis Test:**
- Reliability** Positive and Negative Controls are provided in the kit
 - Confidence** Clear and reproducible results, independent of operator technique or interpretation
 - Ease of use** Minimal hands-on time
 - Speed** High capacity load, up to 46 samples per 96-well plate in less than 3 hours
 - Convenience** All reagents and solutions are included and ready to use

Summary of Validation Studies

Analytical performance characteristics - Repeatability		
Sample	Intra Assay CV	Inter Assay CV
Negative	≤16 %	≤19 %
Weak Positive	≤15 %	≤15 %
Moderate Positive	≤6 %	≤15 %
High Positive	≤7 %	≤9 %

Diagnostic performance characteristics	
Sensitivity	96 %
Specificity	97 %
Positive Predictive Value	97 %
Negative Predictive Value	98 %

Ordering information		
Code	Product	Size
AKE0016	Salmonella Abortusovis Test	96 tests / 1 plate

