



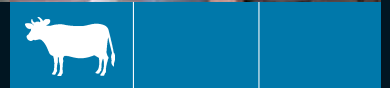
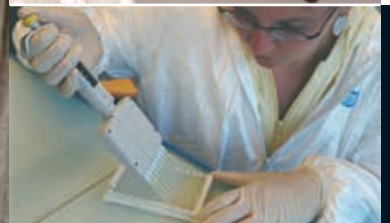
PRIONICS AG

WAGISTRASSE 27A  
8952 SCHLIEREN-ZURICH  
SWITZERLAND

PHONE +41 44 200 20 00  
FAX +41 44 200 20 10

INFO@PRIONICS.COM  
WWW.PRIONICS.COM

# The solution for bovine salmonellosis. **PrioCHECK® SALMONELLA Ab** **BOVINE ELISAs**



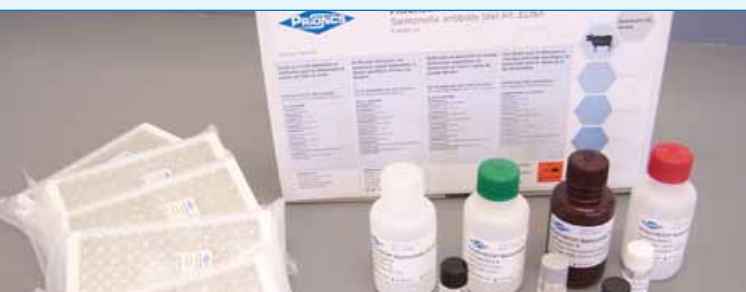
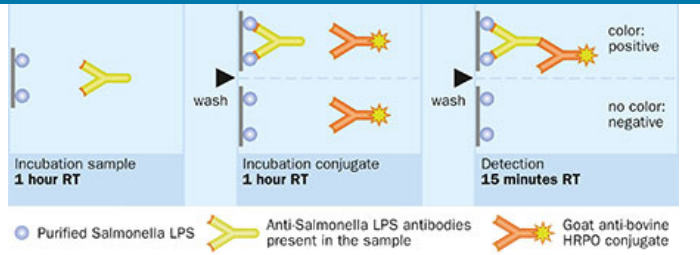
**FIRST AND ONLY COMMERCIALY AVAILABLE DIAGNOSTICS  
FOR BOVINE SALMONELLOSIS. EFFECTIVE AND FAST DETECTION  
OF ANTI-SALMONELLA ANTIBODIES IN SERUM, PLASMA  
AND MILK SAMPLES.**

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# PrioCHECK® Salmonella ELISAs For bovine salmonellosis



## PrioCHECK® Salmonella Ab bovine



**PrioCHECK® Salmonella Ab bovine**  
Prod. No. 7610620 5 plate kit (450 samples)

**PrioCHECK® Salmonella Ab bovine Dublin**  
Prod. No. 7610640 5 plate kit (450 samples)

## BOVINE SALMONELLOSIS

Salmonellosis in cattle is a zoonotic disease caused by species of the *Salmonella* bacteria. Infections in cattle can cause serious economical losses to the cattle industry. Humans are infected by the consumption of infected meat or dairy products, causing severe health problems or even death. *Salmonella Dublin* and *Typhimurium* strains are the most frequently occurring in cattle. The *Salmonella Dublin* strain is particularly invasive in humans. *Salmonella Dublin* is adapted to cattle and can, unlike most other *Salmonella* strains, persist in cattle herds for decades.

Monitoring programs to reduce *Salmonella* loads in cattle herds contribute significantly to food safety protection. These programs allow the culling of carrier animals and avoid the re-introduction of positive animals into a herd. With the PrioCHECK® Salmonella Ab bovine ELISAs Prionics offers the first commercially available tools for such monitoring and surveillance programs.

The PrioCHECK® Salmonella Ab bovine detects both *S. Dublin* and *S. Typhimurium* strains. The test detects antibodies directed against the 1, 4, 5, 12 O-antigens of the *S. Dublin* strain and 1, 9 12 of the *S. Typhimurium* strain.

The PrioCHECK® Salmonella Ab bovine Dublin detects *S. Dublin* more specifically, but not exclusively: some cross-reactivity with *S. Typhimurium* can occur.

Both tests are suitable for large-scale screening of serum, plasma and (bulk) milk samples.

## THE BENEFITS OF THE PrioCHECK® SALMONELLA Ab BOVINE ELISAS

### Standardized, commercially available

With the PrioCHECK® Salmonella Ab bovine and the PrioCHECK® Salmonella Ab bovine Dublin, Prionics offers standardized, commercially available diagnostic tests for use in screening and monitoring programs for bovine salmonellosis.

Only commercially available tests for bovine salmonellosis

### Convenient

Both ELISAs follow an easy 4-step protocol. Results are available within 150 minutes, making these tools very suitable for screening and monitoring purposes. The test works with serum, milk, as well as with bulk milk samples.

Fast, versatile test, suitable for large-scale testing

### Proven tests

The PrioCHECK® Salmonella Ab bovine and the PrioCHECK® Salmonella Ab bovine Dublin were developed in cooperation with the Danish Veterinary Institute. The internal validation showed a good correlation of Prionics bovine Salmonella ELISAs compared to the in-house test of the Danish Veterinary Institute.

Good correlation with the tests of the Danish Veterinary Institute

## HIGH SENSITIVITY AND SPECIFICITY

Internal and external validations show an excellent performance of Prionics bovine Salmonella ELISAs. In the external validation conducted by the Swedish National Veterinary Institute on 611 negative and 203 positive bulk milk samples, the PrioCHECK® Salmonella Ab bovine Dublin showed a sensitivity and specificity of 99.4% and 99.8%, respectively.

## CONTACT INFORMATION

PRIONICS AG  
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FAX +41 44 200 20 10  
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WWW.PRIONICS.COM