

# SALMONELLA ANTIBODY TEST

## VETSIGN™ *Salmonella*-Ab

### SALMONELLOSIS

Salmonellosis is one of the most important zoonotic diseases. It causes serious clinical disease in humans, but only occasionally in animals. Infection in humans may occur through consumption of contaminated eggs, meat and unpasteurised milk. Salmonellosis has been recognised in all countries, but appears to be most prevalent in areas of intensive animal husbandry, especially of poultry and pigs. Enteric disease is the most common clinical manifestation but a wide range of symptoms may be seen. Many animals, especially pigs and poultry, may be infected without showing clinical illness. The course of infection and the clinical signs vary according to the serovars and the animal species involved. There are over 2200 known strains of *Salmonella*, the majority of cases are due to *Salmonella enteritidis* and *Salmonella typhimurium*. *Salmonella* infections of food animals play an important role in public health and special programmes have been implemented for surveillance of poultry, swine and cattle. Surveillance and diagnosis of infected swine can be achieved by testing for *Salmonella* antibodies in serum, plasma or meat juice.

It is of outmost importance that the performed assay is highly sensitive and specific.



This is achieved by testing for specific antibodies to specific polysaccharide (PS) O antigens in swine, as the PS is a very important immunogenic factor in *Salmonella* bacterium.

### VETSIGN™ *Salmonella*-Ab

VETSIGN™ *Salmonella*-Ab ELISA is based on the Danish mix ELISA using O-antigens of *Salmonella* (*S. typhimurium*, *S. choleraesuis* and *S. infantis* representing O-antigen factors 1, 4, 5, 6, 7 and 12) The antigens are conjugated according to a standard and reliable protocol which guarantees a robust and stable quality of the product.

## *Salmonella* Antibody Test

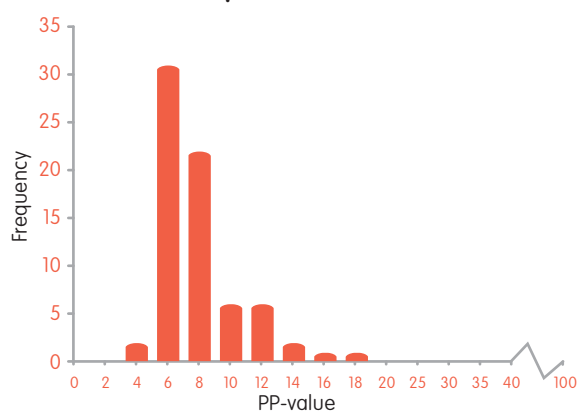
An indirect ELISA for the detection of *Salmonella* antibodies in pig serum, plasma and meat juice samples

Product name	Article no	Format	plates	tests	samples
VETSIGN™ <i>Salmonella</i> -Ab	10-7601-02	strips	2	192	184
VETSIGN™ <i>Salmonella</i> -Ab	10-7601-10	plates	10	960	920

## PERFORMANCE CHARACTERISTICS

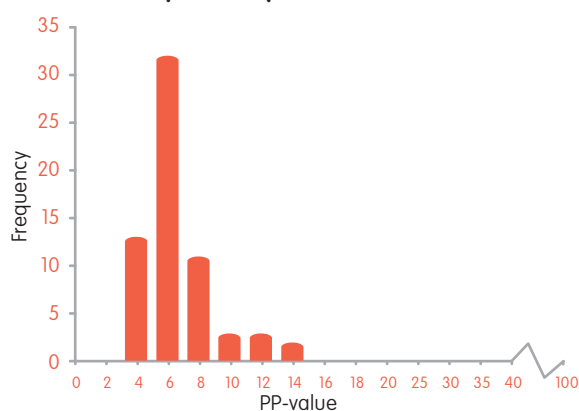
### SPECIFICITY

Swedish Serum samples



Negative Serum samples, n=71

Swedish Meat juice samples



Negative Meat juice samples, n= 64

### SEROTYPE DETECTION

Serotype	Group	Result
<i>S. typhimurium</i>	B	+
<i>S. brandenburg</i>	B	+
<i>S. cholerasuis</i>	C1	+
<i>S. infantis</i>	C1	+
<i>S. livingstone</i>	C1	+
<i>S. panama</i>	D	+
<i>S. goldcoast</i>		-
<i>Y. enterocolitica</i>		-

### VETSIGN™ *Salmonella*-Ab

FOR THE DETECTION OF *SALMONELLA* ANTIBODIES IN PIG SERUM, PLASMA AND MEAT JUICE.

- Ready to use reagents
- Short incubation protocol - 2 hours
- Applicable for serum, plasma and meat juice samples
- Convenient for large scale testing
- Based on the Danish mix ELISA

### SVANOVA BIOTECH AB

Svanova Biotech AB was established in the beginning of 2001. The company has been founded upon the activities, which have been ongoing since 1988 within SVA, the National Veterinary Institute, in Uppsala, Sweden.

Svanova Biotech AB develops, manufactures, markets and sells a wide range of diagnostic products for large-scale laboratories as well as for the veterinarians in the clinic or on the field, mainly for diagnosing infectious diseases in livestock and companion animals.

The majority of the products are based on the ELISA technique, marketed under the trade name SVANOVIR®, detecting antibodies against different microorganisms, such as viruses, bacteria, parasites or mycoplasma in various animal species.

SVANOVIR® products are manufactured by Svanova Biotech AB in accordance with an ISO 9001 certification. The products are developed, evaluated and adapted to the needs of the veterinary diagnostic laboratories.

One of the strengths of Svanova Biotech AB is the in-depth cooperation with specialists and researchers throughout the world. One of them is SVA, where, due to the long and close relationship, all the know-how and expertise is available to Svanova Biotech AB.

#### LEGAL DISCLAIMER

All trademarks, service marks and trade names are proprietary to Svanova Biotech AB.

SVANOVA is a registered trademark (Int Reg 847 403 and CTM 3024973)

SVANOVIR is a registered trademark (Int Reg 847 402 and CTM 3025004)

SVANODIP is a registered trademark (Int Reg 847 401 and CTM 360040)