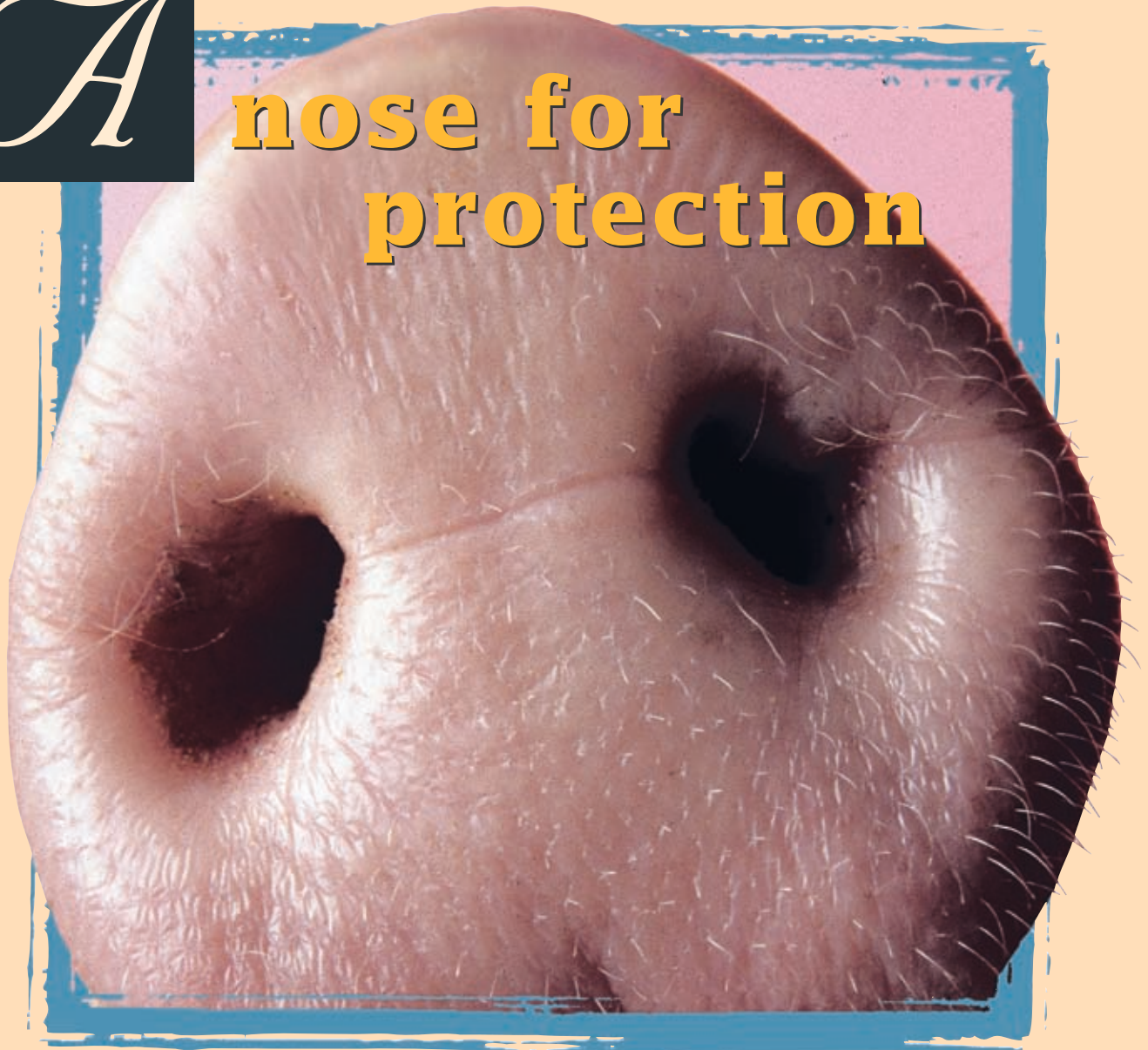


Porcilis[®] APP

A

**nose for
protection**



The four-way vaccine
against pleuropneumonia

intervet

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A

nose for protection. Pleuropneumonia in pigs is spread rapidly by airborne route or by direct contact, leading to considerable economic losses due to mortality and growth retardation. Vaccination with Porcilis APP protects against all known serotypes, as well as financial disaster.

Porcilis APP Protection

Effective against all 13 serotypes¹

Porcilis APP is a sub-unit vaccine based on 4 antigens covering all 13 serotypes

Classification based on Apx toxin pattern						As example isolated from a.o.
Toxin pattern	Serotype	Apx I	Apx II	Apx III	OMP	
1	1	+	+	-	+	Japan/Canada
	5a	+	+	-	+	Taiwan
	5b	+	+	-	+	USA
	9	+	+	-	+	France
2	11	+	+	-	+	Switzerland
	2	-	+	+	+	Japan/Denmark
	3	-	+	+	+	UK
	4	-	+	+	+	Spain
	6	-	+	+	+	Denmark
3	8	-	+	+	+	Belgium
	7	-	+	-	+	Taiwan/USA
	12	-	+	-	+	Canada
4	10	+	-	-	+	Denmark

- Little or no cross protection between toxin pattern groups
- National reports need updating regularly²

Actinobacillus pleuropneumoniae infection

Porcine pleuropneumonia

- Rapid transmission by airborne spread of droplets and direct contact
- 13 serotypes of Actinobacillus pleuropneumoniae bacteria have been described
- The prevalence varies from country to country and may alter from time to time
- Mortality and growth retardation cause considerable economic losses
- Increased need for medication with antibiotics



Clinical signs of pleuropneumonia

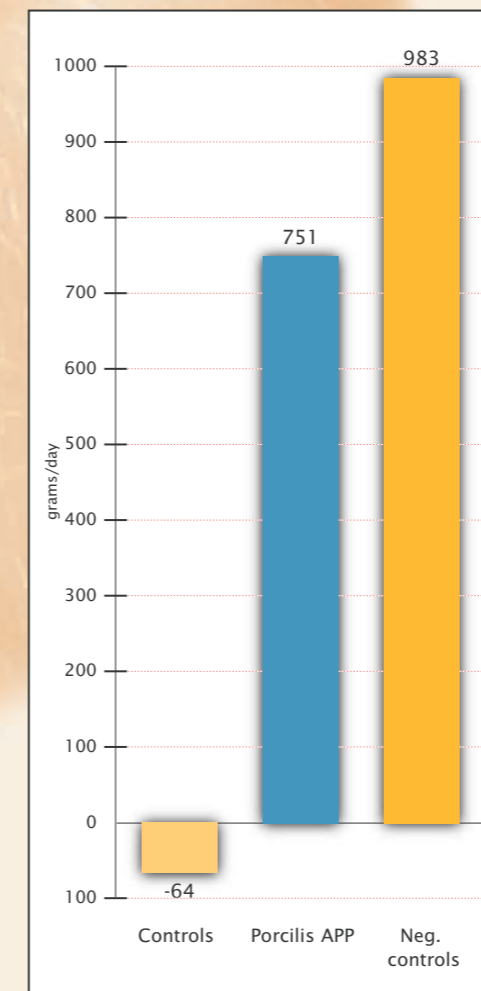
Acute form:

- Acute to peracute illness, with sudden deaths
- High fever
- Severe dyspnoea and gasping in sitting position
- Foamy, bloodstained exudate from mouth and nostrils

Chronic form:

- Coughing
- Loss of appetite
- Growth retardation

Prevention of growth retardation³



Growth in grams per day during 7 days post-challenge

- Vaccinated at 6 and 11 weeks of age
- Intranasal challenge at 14 weeks of age with App serotype 9
- Excellent protection

Porcilis APP vaccination, experience from the field

- Protection against all known serotypes, so serotyping is not necessary¹
- Highly significant reduction in the cost of App medication⁴
- Prevention of growth retardation due to App infections⁴

The four-way pleuropneumonia protection

Indication

Protection of pigs against infection with *Actinobacillus pleuropneumoniae*

Vaccination scheme

Two injections: At week 6 and at week 10

Dosage and administration

2 ml by deep intramuscular injection behind the ear
To reduce possible vomiting withhold food prior to vaccination

Storage

Porcilis APP should be stored between 2 °C and 8 °C

Presentation

Vials of 20 ml (10 doses), 100 ml (50 doses) and 200 ml (100 doses)

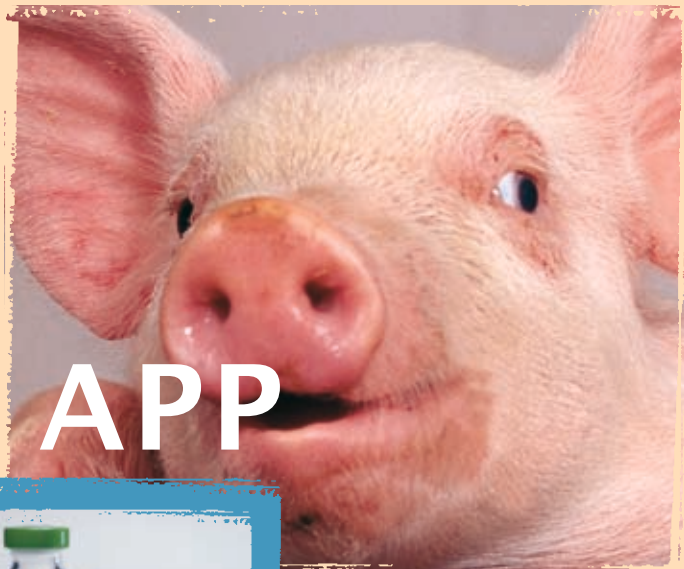
Precaution

Shortly after vaccination transient lethargy, anorexia and rise in body temperature may occur. Like the mild swelling at the injection site these symptoms will resolve within 24 hours and do not cause growth retardation.

References

1. Bosch v.d., 1994
2. Cromwijk, 1992
3. Kobisch et al, 1992
4. Ridremont, IPVS 2000

Porcilis[®] APP



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