

# Improvement of production parameters and health status

## after implementation of PRRS vaccination with IDAL

**Porcilis® PRRS is a live attenuated PRRS virus vaccine based on the European (PRRSV1) strain DV**

### Is vaccination against PRRS virus needed?

PRRSV infection in both breeding and finishing herds has a significant negative impact on animal health, welfare and financial of the herd.

**Vaccination against PRRS virus is an important tool to control clinical disease:**

- 01** Reduces clinical signs, improving animal welfare.
- 02** Improves performance: average daily weight gain, feed conversion, mortality rates and carcass quality.
- 03** Reduces the antibiotic use for secondary/opportunistic infections.

**Intramuscular or intradermal injection of Porcilis® PRRS results in active immunization against infection with PRRS virus**

### Why intradermal vaccination?

IDAL is a needle-free injector, which is developed to inject a fixed low vaccine dose in the dermis of the pig.

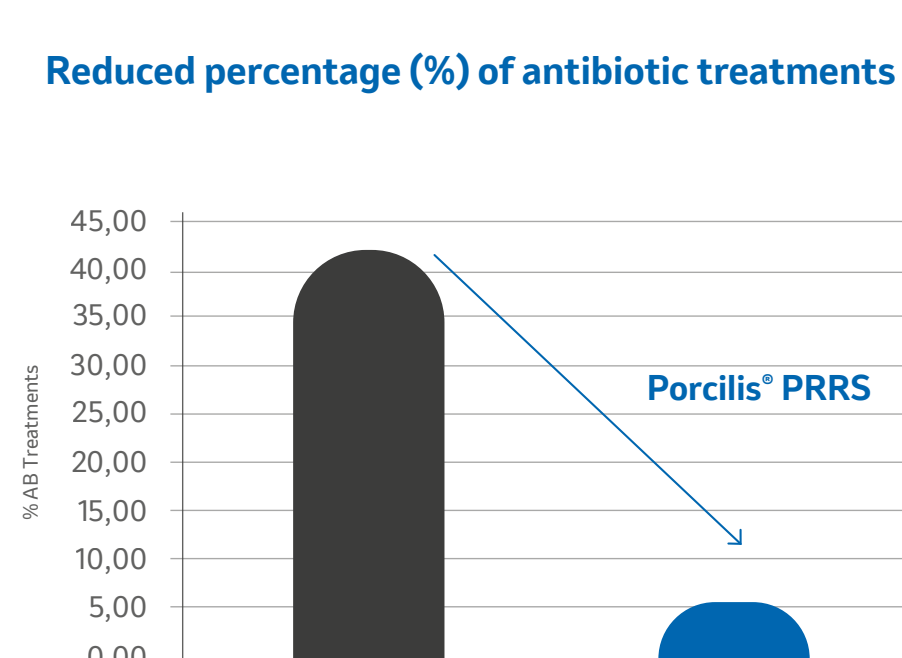
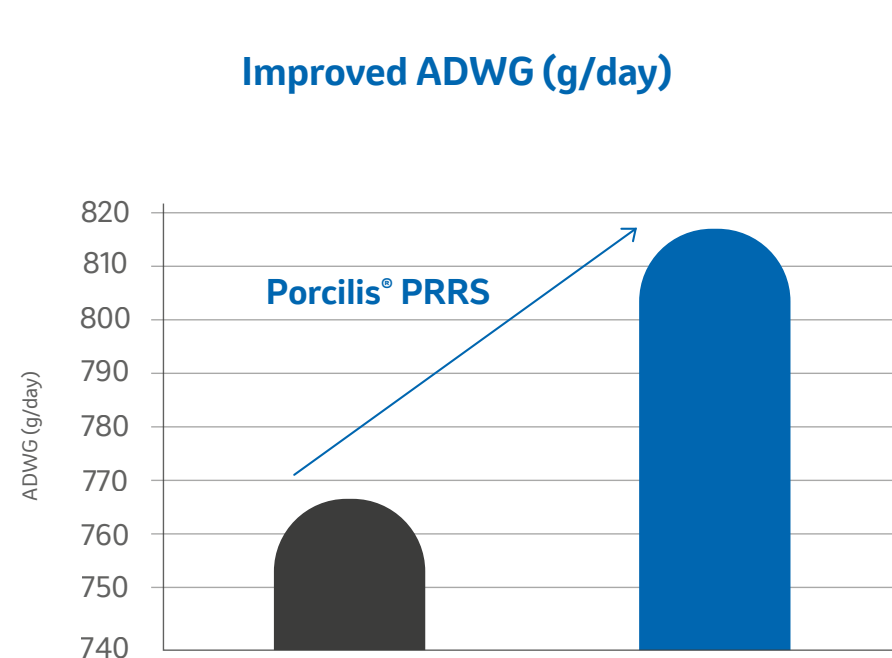
The dermis is a **prime immune organ**, with many specialized cells, therefore, well suited as a vaccination site.

**Intradermal vaccination** stimulates the immune response at least as efficient as **intramuscular administration**.

Intradermal vaccination **reduces risk** of abscesses and discarded carcasses at the slaughterhouse.

### How is the response to Porcilis® PRRS in the field?

Performance evaluated in pigs vaccinated with Porcilis® PRRS with a needle free device (IDAL) at 21 days of age after a PRRS outbreak:

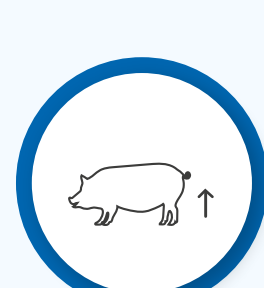


- 01** Fattening mortality reduction **by 1.3%**
- 02** Improved average daily weight gain **of 54g/day**
- 03** Lung lesion reduction **by 7%**
- 04** Reduction of antibiotic usage **by 36.4%**

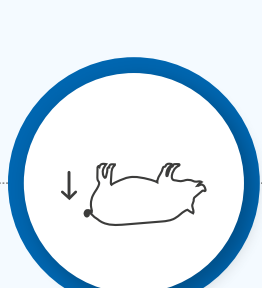
## Keypoints

**01** Intradermal vaccination of piglets with Porcilis® PRRS is an effective tool to improve health status and production parameters after a PRRS outbreak.

**02** Porcilis® PRRS administered intradermally provided:



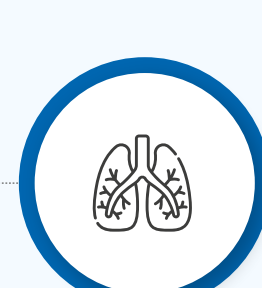
An improved average daily weight gain.



A reduced mortality rate.



A reduced use of antimicrobials.



A decrease in lung lesions at the slaughterhouse.

Ref.: Fiebig K. et al. Improvement of production parameters and health status after implementation of a strategic PRRS piglet vaccination with IDAL in a commercial farrow-to-finish-farm in Germany. ESPHM 2018.

