

Efficacy and growth performance

of nursery pigs vaccinated with Prime Pac® PRRS

Prime Pac PRRS is a modified live virus (MLV) vaccine for healthy swine of 3 weeks of age or older and female breeding age swine against disease caused by PRRS virus.

The efficacy of Prime Pac PRRS MLV against a field PRRSV infection in comparison to Ingelvac® PRRS MLV and another PRRSV2-based MLV was investigated in nursery pigs from a farm from Thailand.

Study design

76,075

Weaned pigs from a sow herd vaccinated quarterly with Ingelvac® PRRS MLV were allocated into **4 groups** and correspondingly vaccinated at 10-14 days after birth:



During the nursery period, the mortality rate was recorded, and all pigs were **weighed at weaning** and **70 days** of age to calculate ADWG.

Blood samples were collected at **0, 14, 28, 42 and 56 days** post-vaccination and assayed for PRRS specific IgG by ELISA.

Results

- 01** The **mortality rate** in Prime Pac PRRS MLV vaccinated group was **significantly lower** than that of the other groups, including vaccinated pigs with other products.
- 02** Prime Pac PRRS MLV vaccinated group had a **significantly higher ADWG** from weaning to 10 weeks of age compared to other groups.
- 03** The nursery pigs vaccinated with Prime Pac PRRS MLV vaccine **did not seroconvert** to PRRSV during the **nursery period**.

Keypoints

- 01** Prime Pac PRRS MLV can **reduce the clinical losses and improve the growth rate** significantly of nursery pigs in field PRRSV infection scenarios.

It is possible to use different MLV vaccines at different stages of production and gain protection against field strains.

Ref.: Mebumroong S. et al. A comparative field trial evaluating the efficacy and growth performance of pigs vaccinated Prime Pac® PRRS and Ingelvac® PRRS MLV. APVS. 2019

