

Vaccination with Porcilis® PCV ID

Reduces viremia and PCV2 shedding

Applications of oral fluid diagnostics in swine practice

Oral fluid testing is used for disease monitoring in swine farms.

Oral fluid testing offers:

- 01 A cost and time-saving diagnostic that is animal friendly.
- 02 An opportunity to easily analyze herd level disease data on a periodic basis.
- 03 The possibility to integrate longitudinal disease data with herd records:
 - Appropriately timed and targeted interventions.
 - "Real time" evaluations of interventions.
 - Improved, herd-specific estimates of the impact of specific pathogens on pig health and productivity.

Can oral fluids be used to monitor the presence of PCV2 in vaccinated and unvaccinated pigs?

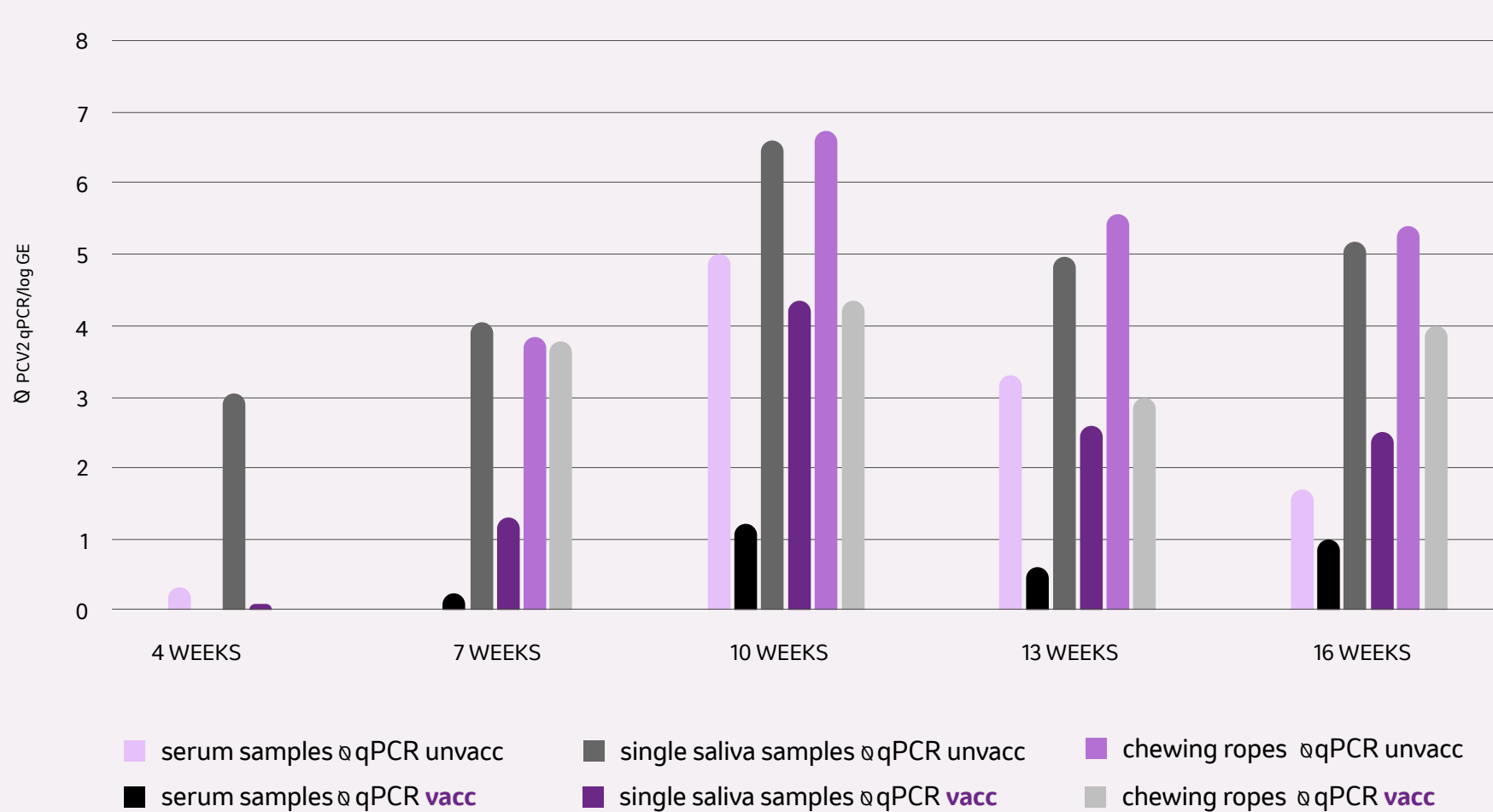


A paper by Grass-Cofre shows that PCV2 can be monitored in saliva.

Single saliva samples were individually collected from the same animals that had been bled and chewing ropes were used in parallel in the same pens.

The use of chewing ropes was successful from 7 weeks of age due to an insufficient amount of saliva in younger animals.

Figure 1. Mean loads of PCV2 in serum and saliva samples from 20 pigs of different age groups before and after introduction of vaccination with Porcilis® PCV ID



Virus load in single saliva samples correlated with the according chewing rope.

Saliva samples tested positive earlier, **longer and in a higher** magnitude than blood samples.

Samples from vaccinated pigs had **lower virus loads** in **nearly** all sample types and age groups compared to unvaccinated pigs.

Keypoints

- 01 **Intradermal** vaccination with **Porcilis PCV ID** is an effective tool to reduce virus in blood and viral shedding.
- 02 Saliva samples are an easy and practicable approach for monitoring **PCV2** circulation in a herd.
- 03 Single saliva samples can replace chewing ropes in **younger pigs** with less interest and willingness to chew.

Ref.: Gass-Cofré A. *et al.* Introduction of PCV2-vaccination in a sow farm and effects on virus load in blood and saliva samples. 11th European Symposium of Porcine Health Management (ESPHM), Utrecht. 2019

See national SPC for the claims/indications of the vaccine.

