

ANTIBODY LEVELS AGAINST PORCINE CIRCOVIRUS 2 (PCV-2) IN PIGS AT 3 DAYS AND 3 WEEKS OF AGE IN 9 SPANISH FARMS

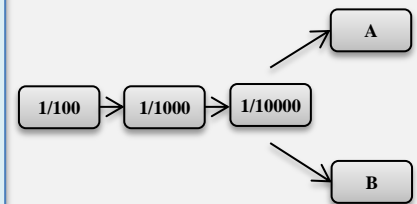
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INTRODUCTION

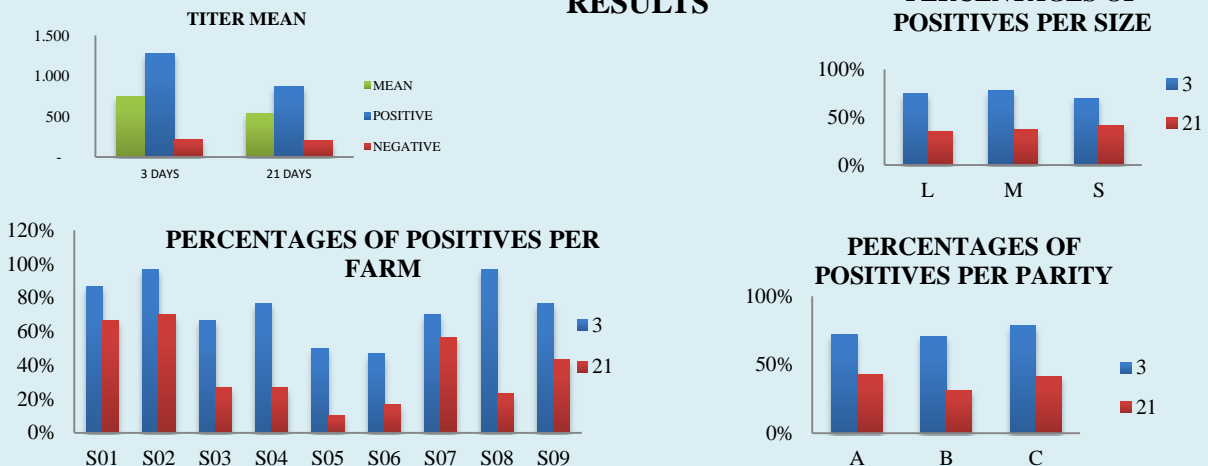
Vaccination of sows and gilts increases PCV-2 antibody titres in serum and colostrum of the dam, providing protection of piglets against disease development. PCV-2 vaccine efficacy in piglets has been demonstrated in presence of MDA at the time of vaccination. The aim of this study was to determinate and describe the levels of antibodies against PCV-2 in piglets of different ages.

MATERIALS AND METHODS

The size of the pigs, the number of parity of the sows and the farm were analyzed to determinate differences in antibody titres for the different ages. Study was performed on seropositive farms for PCV-2. SERELISA® PCV-2 Ab Mono Blocking enzyme-linked immunosorbent assay was used to analyze samples. Over ratio of 0.463 animals were considered negative, and below, positive.



RESULTS



CONCLUSIONS

- Significant number of piglets at 21 days have lost already protection against PCV-2 since MDAs levels decreased importantly.
- It is worthy highlighting that differences between groups have only been found in those piglets considered positive in antibody titres against PCV-2. Negative piglets had similar titres in both ages.
- Piglets of different sizes, farms or parities did not present differences on its antibody levels.

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