

## **IMM-PP-21**

### **TITLE**

**COMPARISON OF TWO DIFFERENT VACCINATION SCHEMES AGAINST PCV2 AND M. HYOPNEUMONIAE**

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### **CONTENT**

#### **Background and Objectives**

Spanish piglets are usually vaccinated against PCV2 and *Mycoplasma hyopneumoniae* (M.hyo). In the market there are different possibilities, the aim of this field study was to compare two different vaccination protocols.

#### **Materials and Methods**

The study was developed in a site-3 farm. Two groups were compared; Group CS received two monovalent vaccines - Circovac 0.5mL (Ceva Salud Animal, S.A.) + Stellamune 2mL (Elanco Animal Health) and Group FC received FLEXCombo - CircoFLEX 1mL+MycoFLEX 1mL (Boehringer Ingelheim Vetmedica GmbH).

Both groups were vaccinated at weaning. A total of 71 site 3 batches were compared, 35 using Circovac+Stellamune (40,320 animals) vs. 36 using FLEXCombo (41,472 animals). The impact in the production parameters during the fattening period: %mortality, initial weight, final weight, standard feed conversion, ADG, medication cost and days on feed, were evaluated. Statistical analysis was done using Anova and Kruskal-Wallis test. Raw ADG and FCR indexes were recalculated to standardize to 18-105 production cycle.

#### **Results and Discussion**

Statistical differences were observed in mortality rate, standard feed conversion and also in initial weight. Group FC had a significantly lower percentage of mortality (4.9%) compared to Group CS (6.6%). Standard feed conversion was significantly lower ( $p<0.05$ ) in the FC group (2,48) compared to CS group (2,62). FLEXCombo group had lower body weight at the beginning of the fattening period, compared with the CS group. In addition, no differences were observed in medication cost, final weight and days on feed. While the days on feed were no statistical different, it must be taken into account that initial body weight differed among groups.

#### **Conclusions**

Better productive parameters had been observed in the animals vaccinated with FLEXCombo. The positive effect was observed, and statistically significant, for mortality rate and standard feed conversion.