

Feeding trial

# *No need* for prophylactic AB treatment

Highest return on investment for HP 300  
compared to prophylactic AB treatment



## Summary

Feeding **HP 300** to pigs from weaning to 30 kg results in similar growth performance as piglets fed an SPC diet and getting a five days prophylactic treatment with antibiotics (SPC + AB) at a lower cost. Results suggest that small piglets benefited most from **HP 300** feeding.

## Objective(s)

To show equal performance and better ROI of HP 300 compared to SPC + AB.

## Results

- Equal growth performance of HP 300 and SPC + AB fed piglets (figure 1).
- Fecal scores and mortality are low and do not differ between dietary treatments.
- HP 300 significantly improves overall feed conversion ratio (FCR) by 4 points.
- Return on investment is increased with HP 300 as cost per kg BW decreased by 3.4-5.1% compared to SPC + AB (figure 2).

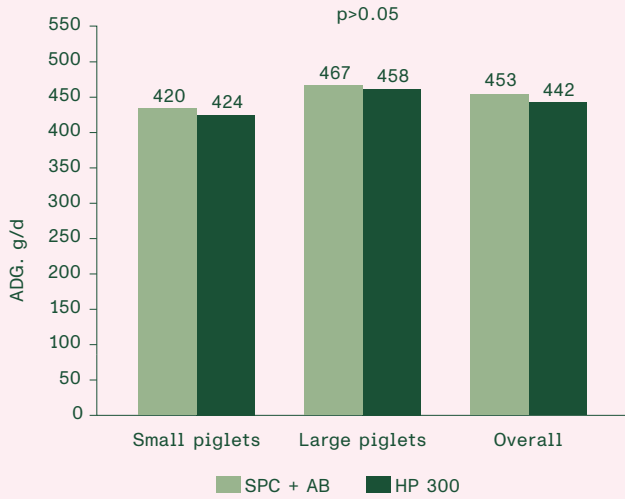


Image from Hamlet Protein database.  
Not specific for this trial.



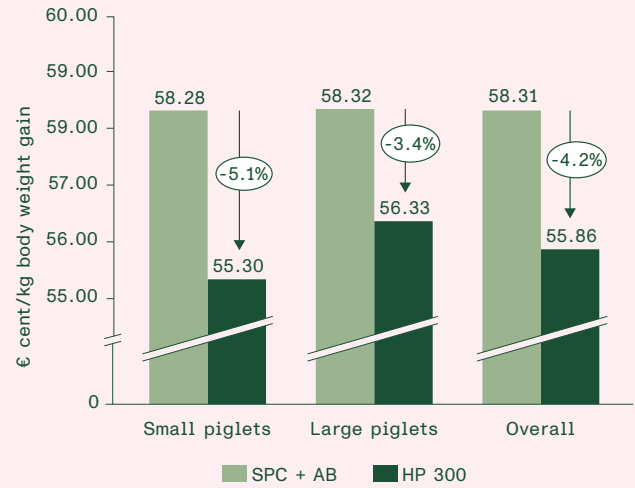
Healthy Animals - Healthy Business  
hamletprotein.com

### Equal growth performance with HP 300 and SPC+AB



**Figure 1.** ADG for small and large piglets fed SPC + AB or HP 300 and overall day 0-48 post-weaning.

### HP 300 reduces cost per kg body weight gain



**Figure 2.** Cost (€ cent) per kg BWG for small and for large piglets fed SPC + AB or HP 300 and overall.



Image from Hamlet Protein database.  
Not specific for this trial.

### Materials and methods

1527 crossbred (DANxPIC 408) piglets from weaning (day 28 of life) to 30 kg.  
23 replicates per experimental group.  
Small piglets  $\leq 6.39$  kg, large piglets  $> 6.39$  kg at weaning.  
Diets were formulated to be iso-energetic and iso-nitrogenous with CP content of 17.5%, 17% and 16.2% in Pre-starter, Starter I and Starter II diets, respectively.  
No pharmaceutical level of ZnO.  
Only SPC piglets received a 5-day prophylactic treatment with AB at entry to the stable.

#### Location

GS Agri eG research facility, Germany, 2019.