

THE EFFECT OF BUTIREX-C4 ON VILLI DEVELOPMENT IN BROILERS

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This study was aimed to evaluate the effect of Na-butyrate (BUTIREX C4) on the intestinal epithelium in order to evaluate the impact of supplemented feed in poultry production..

The continuous use of different chemicals drugs, antibiotics, growth promoters in the intensive farming can affect the integrity of gastrointestinal microbiota, reduce growth performance and have a negative impact on intestinal epithelium.



Method and material:

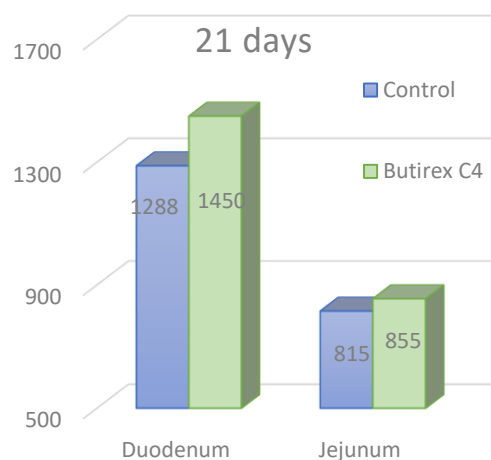
This trial was done at the facilities of Universidad Politécnica de Madrid (UPM) in 2008. Under laboratory conditions, broiler chickens were fed with 2 different diets:

- Control group (no AGP)
- BUTIREX C4 group (1 kg/mt)

At the end of the trial, were evaluated the intestinal condition of different parts of the digestive tract and compared between control and Butirex C4 groups.

Height of the intestinal villi at duodenum level and jejunum level were measured in the laboratory

Results:



Conclusions:

The results of this study reveal that Butirex C4 has as positive effect on intestinal villi development. The height of duodenum and Jejunum villi were improved with the inclusion of Butirex C4 on the broiler feed

