

the most natural way to improve production

organic acids, a natural alternative

Organic acids are an excellent **natural alternative to antibiotics** as growth promoters thanks to their many properties:

- They have **antifungal and antibacterial properties** that help to preserve feed
- **Acidification** of the diet augments gastric proteolysis, digestibility of amino acids and proteins, and mineral absorption.
- They inhibit intestinal bacteria, reduce toxic bacterial metabolites (ammonia and amines) and reduce intestinal pathogen counts (*E.coli* and *Salmonella*). They promote intestinal proliferation of *Lactobacillus*.
- In general, they promote **balanced intestinal flora** and reduced pathogenic bacteria, thereby promoting the preservation of an unimpaired intestinal epithelium.

acidbac®: a natural digestive system acidifier

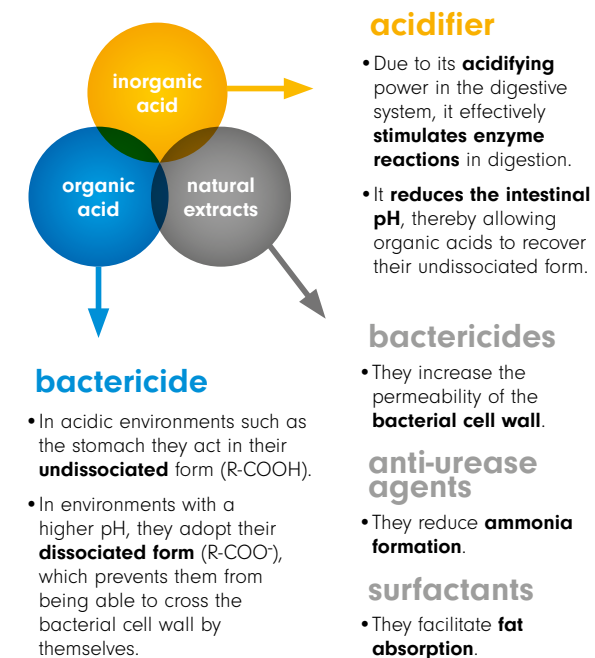
acidbac® is an advanced natural digestive system acidifier, designed using a combination of organic acids, inorganic acids and natural extracts to **improve digestive function** by decreasing stomach pH and stimulating enzyme reactions in digestion.

This digestive effect is particularly **beneficial in young animals**, which still have an immature digestive system and secrete digestive enzymes and hydrochloric acid in insufficient amounts.

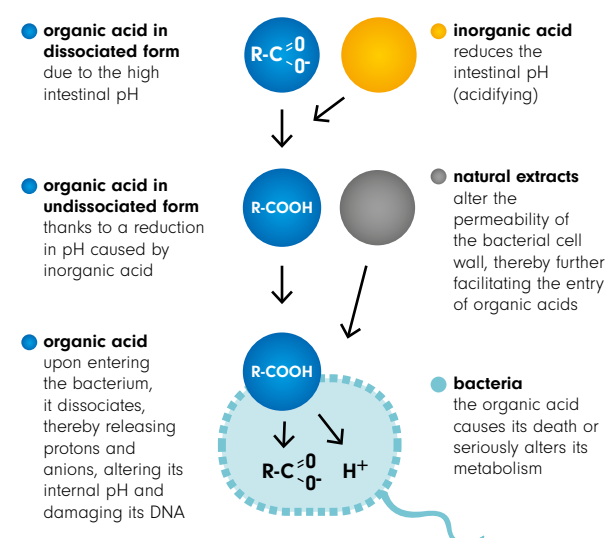
acidbac® is an excellent complete growth stimulant since in addition to its acidifying properties, it has a powerful bactericidal effect and helps to regulate flora and intestinal motility.

acidbac®: multiple combined effect

acidbac® maximises the properties of its main ingredients, which act in combination during the digestive process:



combined synergistic effect in the intestine

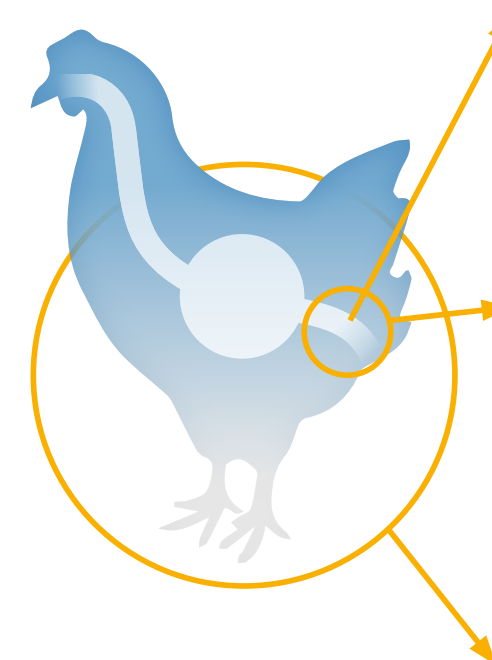


acidbac® is an excellent natural production stimulant and alternative to antibiotic growth promoters



acidbac® in broilers

The results of various tests have demonstrated that supplementation with **acidbac®** improves production parameters, nutrient use, serum metabolite level, carcass composition, microbial flora and intestinal morphology.

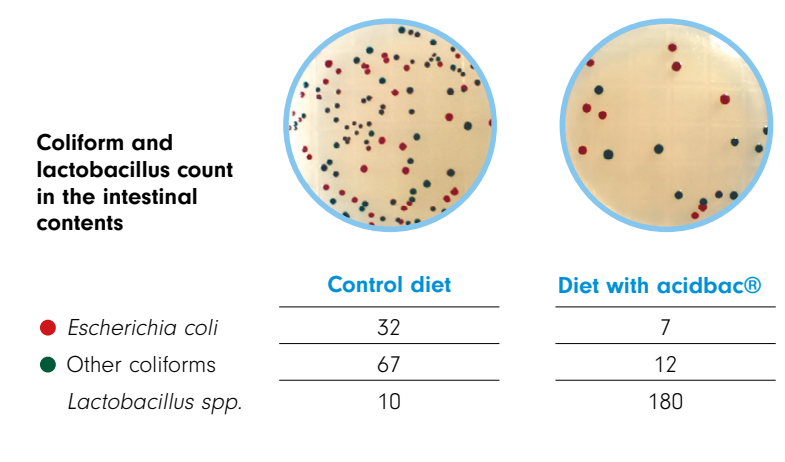


Studies performed with broilers fed for 40 days from the day of birth with two different diets:

- A basic diet with no supplements (control)
- A diet supplemented with **acidbac®** (1 kg acidbac/MT of feed)

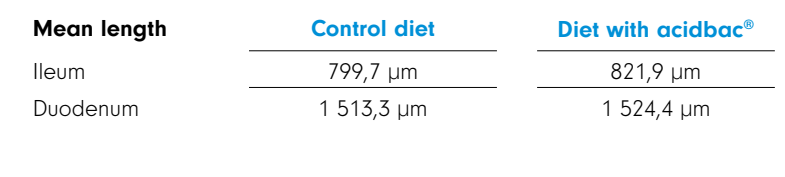
1. Intestinal microbial flora

- A significant reduction in *E. coli* and total coliforms.
- An increase in *Lactobacillus spp.*



2. Intestinal microvilli

An increase in the **mean length** of the microvilli in the duodenum and the ileum, thereby enabling greater nutrient absorption.



3. Weight gain and conversion rate

