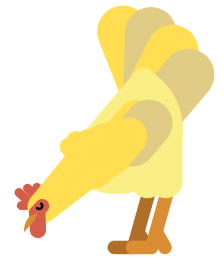




Bioflavex

Natural enhancers



BIOFLAVEX IN POULTRY

Citrus flavonoids, as well as their metabolites, have multiple potential benefits for the intestinal barrier function, preventing diseases caused by its dysfunctionality. Due to their multiple local effects, citrus flavonoids have shown to generate systemic benefits, such as the improvement of the gut microbial dysbiosis, helping to regulate gut homeostasis and helping this way to alleviate systemic dysmetabolism. Citrus flavonoids and their metabolic bio actives have the following health-promoting properties:

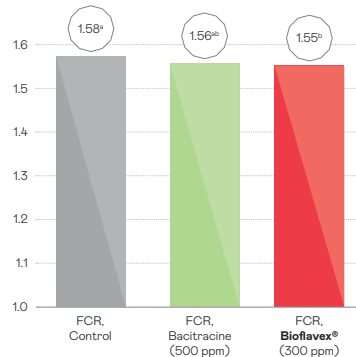
- I They help to modulate the barrier permeability of the epithelium.
- II Protect mucus layer.
- III Regulate intestinal immune system.
- IV Protect against oxidative stress.
- V Positively promote microbiome and metabolome.

Adding in the diet of poultry, **Bioflavex**[®] has showed positive effects on animal performance in standard conditions and under heat stress.

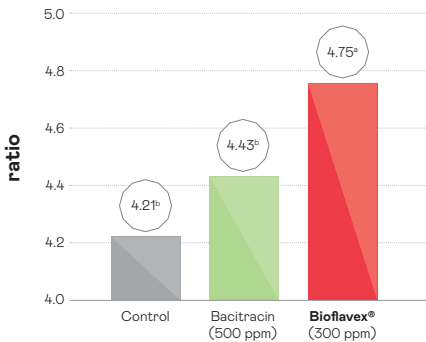
By reducing lipid peroxidation and lowering oxidative stress in broilers, **Bioflavex**[®] is effective in the maintenance of the intestinal wall morphology, therefore improving nutrient absorption.

Bioflavex[®] promotes average daily gain (ADG), reduces Feed Conversion Rate (FCR) and reduces mortality.

Effect of Bioflavex[®] on feed conversion rate (FCR) at 37 days of life

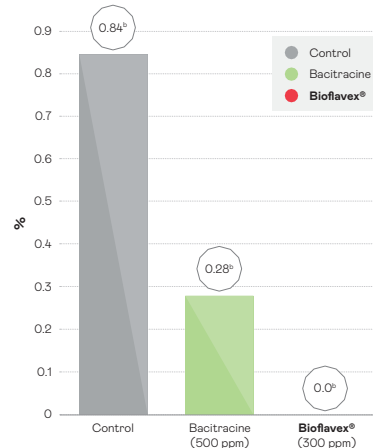


Ratio: villi height/crypt depth



a, b: different superscripts denote statistical differences (p<0.05).

Effect of Bioflavex[®] on mortality at 37 days of life

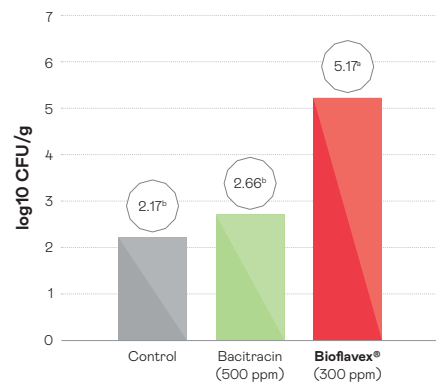


Experimental diets (Rodsatian et al., 2020).

Treatment	Description	Dose (g/MT feed)
Negative control	Control diet	-
Positive control	Control diet + AGP (Bacitracine)	500
Bioflavex®	Control diet + Bioflavex®	300

Supplementing **Bioflavex®** modulates gut microbiota, promoting the growth of lactobacillus and limiting the growth of pathogenic bacteria.

Lactobacillus spp. counts



In conclusion, **Bioflavex®** supplementation improves performance, survival, gut health and sustainability in poultry diets. Hence, **Bioflavex®** can be used as an alternative to replace antibiotics growth promoters in poultry diets.

