



Bio Butyrate

Sodium Butyrate 30% Coated

Best option as alternate to Antibiotic growth promotor

In poultry, productivity to maintain a healthy gut is of immense importance. Short chain fatty acids have an outstanding effect in maintaining gut health through their different area of action. Short chain fatty acid successfully maintains the gut health in the anterior part of gastrointestinal tract. The posterior part along with the caecum remains a challenge due to the inability of various short chain fatty acids to reach there in an undissociated form.

SODIUM BUTYRATE is a bioregulator acidifier which is comprised of a short chain fatty acid i.e. a pure form of sodium salt of n-Butyric acid.

FLORAC

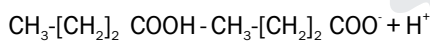
$\text{CH}_3\text{-(CH}_2\text{)}_2\text{ COONa}$

Mode of action :

The Butyric acid in SODIUM BUTYRATE enters the microbial cell in an undissociated form. Within the cell it releases protons in an alkaline environment which results the decrease of intracellular pH. This decrease of pH influences microbial metabolism by inhibiting the action of important microbial enzymes.

Microbial cells tries to excrete proton by using its energy and ultimately end up to death. SODIUM BUTYRATE also supplies energy to the epithelial cells of villi to recover its damage caused by the enteritis.

Dissociation:



In an undissociated state, SODIUM BUTYRATE is strongly lipophilic. The dissociation rate is low due to its high pKa value and is influenced by the pH of the intestinal liquid. SODIUM BUTYRATE remains undissociated even in high pH in the large intestine owing to its high pKa value as compared to formic acid and lactic acid.






Immunomodulatory effect :

SODIUM BUTYRATE increases the Hemoglobin synthesis and stimulates the non specific and local immunity. Florac correlates liposaccharides from pathogenic bacteria in such a way that it controls the nitric oxide production. Florac stimulates proliferation of beneficial bacteria's like Bifido bacteria and lactobacillus.

Biological effect :

SODIUM BUTYRATE increases the length of the villi at the ileum by 30%. This implies a major improvement of absorptive and digestive capacity and hence increases the body weight of the broiler.

Doses :

| | | |
|--|---|--------------------------|
|  Broiler (0-21 days) | : | 500 - 800 g/ton of feed. |
|  Broiler (22d-market) | : | 250-500 g/ton of feed. |
|  Layer | : | 250 - 500 g/ton of feed. |
|  Weaned Piglet | : | 800-1000 g/ton of feed. |
|  Growing & Finishing Pigs | : | 400-500 g./ton of feed. |

Presentation :

25 kg.

A product of:


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BIOCHEM PHARMA



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