

Acidifier

Biotronic® SE

Acidifier to control gram-negative bacteria and digestive disorders in order to promote animal growth.

Biotronic® SE is a powerful combination of synergistically acting organic acids and their salts combined on a Sequential Release Medium (SRM). Besides decreasing pH, the selected acids penetrate the cell wall of gram-negative bacteria. Once inside the cell, the acids dissociate. The hydrogen ion reduces the plasma pH and the anion disrupts DNA synthesis. This dual mode of action inhibits bacterial proliferation. Furthermore, the Sequential Release Medium secures a slow release of the active ingredients and removes metabolites from the intestine. In consequence, digestive disorders are reduced and animal health and performance are enhanced.

Sequential Release Medium (SRM) secures a slow release of organic acids in feed and gastrointestinal tract.

Benefits:

- Reduced pH and microbial counts in feed and gastrointestinal tract
- Promoted beneficial microflora
- Optimised protein and fat digestion
- Improved growth performance
- Reduced diarrhoea, mortality and morbidity rates
- Improved litter consistency due to uptake and removal of metabolites



Application:

The use of **Biotronic® SE** is indicated for the control of gram-negative bacteria including *E. coli* and *Salmonella* in order to promote animal growth in pig and poultry. It can be used in complete diets and concentrates.

Dosage: 1 - 5 kg/t of feed

sows and piglets: 3 - 5 kg/t feed

fattening pigs: 1 - 3 kg/t feed

poultry: 1 - 4 kg/t feed

Dose depends on the intensity of bacterial challenge and feed composition.

Effectiveness of Biotronic® SE

Pigs

The trial was conducted with weaned piglets in Germany .

The trial group received 4 kg **Biotronic® SE** per ton feed whereas the control group received no acidification.

ADWG (g)	471	Biotronic® SE
	445	Control group
Feed conversion	1.77	Biotronic® SE
	1.82	Control group

Broilers

The trial was conducted with broiler chickens in France.

The trial group received 3 kg **Biotronic® SE** per ton feed whereas the control group received no acidification.

Final weight (kg)	1.724	Biotronic® SE
	1.837	Control group
Feed conversion	1.66	Biotronic® SE
	1.75	Control group
Mortality (%)	2.95	Biotronic® SE
	4.14	Control group



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