AVITASA

NUTRACEUTICAL EFFICIENCY

ACIDFEED E50

(ORGANIC ACIDS)

✔ Inhibits pathologic bacterial growth

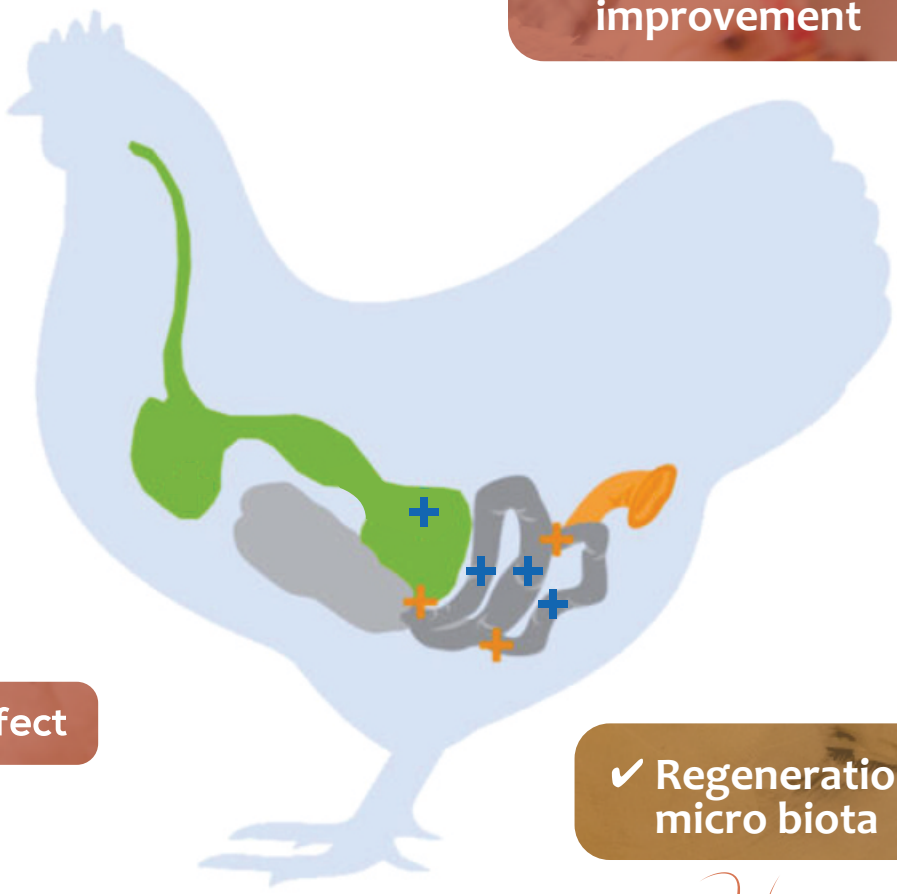
✔ Necrotic enteritis control

✔ Respiratory health improvement

+ Organic acids (Salt form)

+ MCFA glycerides

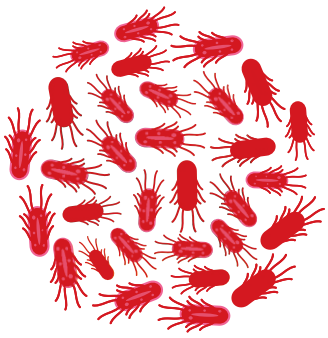


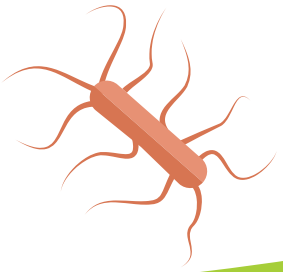


✔ Antiviral effect

✔ Anti-inflammatory effect

✔ Regeneration of micro biota





ACIDFEED E50

ANTIMICROBIAL AGENT + INTESTINAL HEALTH PROMOTER

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Product data sheet

ACIDFEED

ACIDFEED E50

DESCRIPTION:
Acidfeed E50 is smart combination of short-chain, medium-chain fatty acids and essential oil. It is the key to overcome bacterial challenges from both Gram-negative and Gram-positive bacteria.

USE:

Product to b e used exclusively in animal feeding.

PHYSICAL ASPECT:

Micro-pearled, white, free flowing product.

COMPOSITION:

Calcium formate	30%
Calcium propionate	10%
Lauric Acid Glyceride	5-7%
Essential oil	2-3%

CARACTHERISTICS:

- Active ingredient: 50% of active ingr., (in dry).
- Loss on drying, max 5% max.
- Density: 700 grs/l, approximately
- pH (solution at 10%) 5 - 8



SELFLIFE:

Two year as from manufacturing date.

STORAGE:

Store in a fresh, dry, protected from light place. Keep closed after each use.

RECOMMENDED DOSAGE:

SPECIES	PERIOD	RECOMMENDED DOSAGE
BROILERS	From 0 to 15 days of life	0,5-1 kg/mt
	More than 10 days of life	0,35-0,5 kg/mt
TURKEYS	From 0 to 15 days of life	0,75-1,5 kg/mt
	More than 10 days of life	0,5-1kg/mt
LAYERS	From 0 to 15 days of life	0,5-1kg/mt
	+15 days of life	0,35-0,5 kg/mt
	+35 weeks of life	0,75-1,5 kg/mt
RABBITS	FIRST AGES	1-2 kg/mt
	FATTENING	1-2 kg/mt
AQUACULTURE	FIRST AGES	0,5-1 kg/mt
	FATTENING	0,75-1.5 kg/mt

www.avitasa.com

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ACIDFEED E50



ACIDFEED E50

Short-and medium-chain fatty acids (SCFAs and MCFAs) in poultry are used as feed additives that benefit gut health, improve feed efficiency, and boost growth performance by providing antimicrobial effects. They are beneficial because they can help to control pathogens like E.coli, Salmonella, Mycoplasma and Clostridia, improve intestinal integrity, enhance the immune response, and acting as an alternative to antibiotic growth promoters.

This action implies an improvement in intestinal absorptive capacity with better utilization of feed nutrients (minerals, vitamins, amino acids, energy availability, etc.).

These two actions, one against the intestinal pathogenic micro flora and one on the intestinal absorptive capacity, improves the animal's daily growth rate and feed conversion rate. The problem with feeding organic acids is its rapid dissociation that occurs when in contact with the digestive fluids, which reduces their effectiveness. Salt form of formic and propionic acid and lauric acid glyceride keep its activity without dissociating, thus their effectiveness remains in their transit through the gastrointestinal tract.



Short and medium-chain fatty acids (SCFAs and MCFAs)

Antimicrobial effects: They have broad-spectrum activity against bacteria like E.coli, Salmonella, Mycoplasma and Clostridia. MCFAs are especially effective due to their ability to penetrate bacterial cell walls and disrupt their membranes.

Antiviral effect: Lauric acid glycerides have demonstrated the ability to fight against pathogens and viruses.

Improved gut health: SCFAs and MCFAs contribute to the health and integrity of the intestinal lining. Their use can lead to better intestinal morphology, such as increased villus height.

Immune system support: Studies show that lauric acid glycerides can boost the immune response, for example, by increasing antibody titers against a virus in poultry.

Energy source: MCFAs are rapidly and efficiently absorbed and metabolized, providing an energy source for the bird.(Lauric Acid)

Common SCFAs include formic and propionic acid, while MCFAs include lauric acid.

Essential oils (EOs)

Gut health benefits: They can improve gut health and modify the gut microbiota in favor of beneficial bacteria.

Antimicrobial and antioxidant properties: EOs have intrinsic antimicrobial effects and act as antioxidants.

Respiratory health: Certain oils, like eucalyptus and peppermint, can be beneficial for respiratory health.

Digestive enzymes: They stimulate the secretion of digestive enzymes like amylase and trypsin, which helps break down feed more effectively.

Common essential oil include oregano, thyme, and rosemary oils.

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ACIDFEED E50

Synergic impact of SCFAs, MCFAs and EOs

- Antimicrobial effect
- Antiviral effect
- Stimulate immune system
- Stimulates appetite.
- Enhance feed consumption and growth, and improves feed conversion rates.
- Inhibits pathologic bacterial growth and keeps healthy digestive tract and get optimal nutrient assimilation.
- In the intestine is the immediate energy source for intestinal epithelial cells. It means immediate energy for enterocytes.
- Increases epithelial regeneration and the size of intestinal microvilli, also increases the absorptive surface and therefore its performance.
- Stimulates the regeneration of micro-biota.
- Bigger development of gastrointestinal cells which allows for absorption of nutrients and produces a growth-promoting effect.
- Stimulate digestive enzyme secretion.
- Enhance respiratory health of bird.
- Stimulates water, sodium and calcium absorption



PACKAGING:



25 Kg bags

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