



Salcap
antimicrobial

Effective protection to raw materials and compound feed

One product for each need



CERTIFICADORA ACREDITADA POR ENAC 16



Pigments

Capsantal

Acidulants

Digestocap
Lacticap

Enzymes

Capsozyme

Mold Inhibitors

Fungicap

Antioxidants

Capsoquin
Oxicap

Antimicrobial

Salcap

Flavours

Flavoral
Sugarcap

Specific supplements

Capsomin
Capsogenin
Salmosan

Salcap
antimicrobial

The ultimate solution against *Salmonella* and other enterobacteria



www.itpsa.com



Industrial Técnica Pecuaria, S.A.
Av. de Roma 157, 7ª planta - 08011 Barcelona - Tel +34 934 520 330 - Fax +34 934 520 331
www.itpsa.com



Natural supplements for high-quality feed

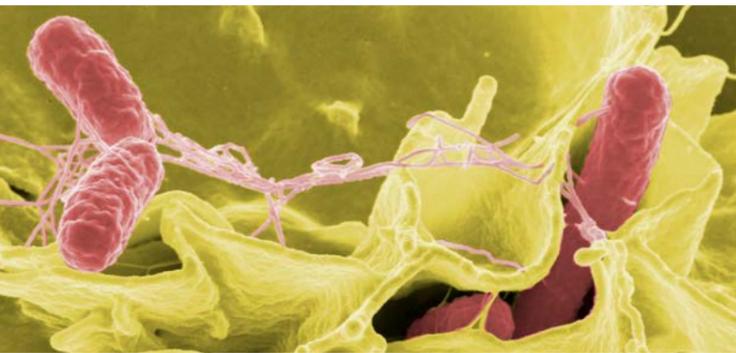
Salcap

antimicrobial



Feed hygiene is one of the most important aspects in the current animal production industry. For this purpose, **ITPSA** has developed **SALCAP** product range consisting of special formulations of organic acids, mainly formic and propionic acid combined with some of their specific salts. These blends have **antibacterial** properties with synergistic effect in the treatment of raw materials and ensuring its **sanitization**.

Furthermore, the combination with acetic and lactic acid allows **SALCAP** range products to control **intestinal imbalances**, to improve productive parameters and to replace antibiotic growth promoters. **SALCAP** is also indicated for **sanitization of facilities** preventing the formation of reservoirs of enterobacteria in the machinery.



Why should you add **SALCAP** to the diet?

- ▶ High efficacy against *Salmonella* and other enterobacteria due to its bactericide effect.
- ▶ Improves animal sanitary status.
- ▶ Reduces number of contaminated carcasses in the slaughterhouse and the presence of *Salmonella* positive eggs.
- ▶ Improves production performance parameters.
- ▶ Long lasting action.
- ▶ Lessen handling problems originated by the strong smell and irritation in the feed industry.

SALCAP RANGE OF PRODUCTS

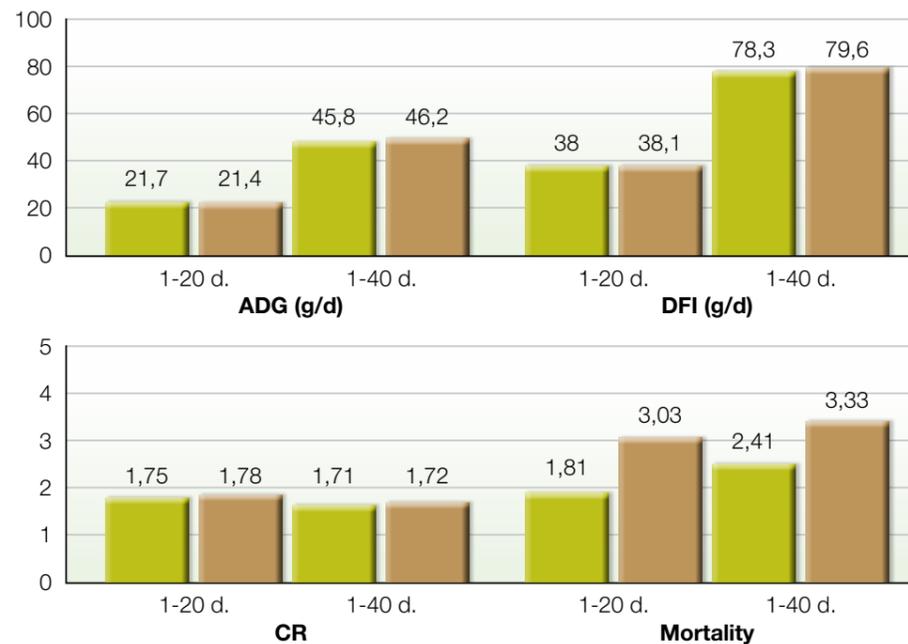
Solid Form	Liquid Form
Antimicrobial products specially indicated against <i>Salmonella</i> and other enterobacteria for all kind of feed and raw materials. Recommended for all domestic animal species.	
Synergistic blends of acids (mainly formic and propionic acid, acetic and lactic acid in some presentations) and their salts with inert silicates as carriers.	Synergistic blends of acids (mainly formic and propionic acid, acetic and lactic acid in some presentations) and their salts in an aqueous carrier.
↓ ↓	
Optimal dispersion in mixing processes.	
Presentations of different concentration adapted to the needs of each raw material to be treated and in continuous updating and expansion of the product range:	
To prevent contamination in compound feed, meat and fish meals and other raw materials:	
SALCAP NT SALCAP SPH ...	SALCAP LIQUID NT SALCAP PLUS LIQUID ...
To control intestinal imbalances, to improve production performance parameters and to replace antibiotic growth promoters:	
SALCAP SL ...	SALCAP 85 L SALCAP LA ...
The recommended dosage depends on the characteristics of the raw material and on the environmental conditions (temperature and humidity), as well as on the applied variety of SALCAP:	
– Compound feed: 2 - 6 Kg/Mt – Raw materials of animal origin: 2 - 9 Kg/Mt – Disinfection of facilities: 8 -10 Kg/Mt	
Stability of 24 months in its original package (Paper bags or raffia bags)	Stability of 24 months in its original package (polyethylene drums and IBC containers)



TRIALS CARRIED OUT WITH SALCAP

FIGURE 1
Comparative study of **SALCAP** with a growth promoter in broilers.
Treatments: FLAVOMYCIN (5 ppm) and SALCAP SL (0,5%), N=320.

■ SALCAP SL ■ FLAVOMYCIN



SALCAP SL: Lactic acid, formic acid, propionic acid, acetic acid, ammonium propionate and ammonium formate.

FIGURE 2
Control of *Salmonella* and Enterobacteria in fish meal with addition of **SALCAP**.
(Dosage of SALCAP NT: 3 Kg/Mt)



Salmonella detection (in 25 g, Treatment 1)

	24 hours	48 hours	72 hours
SALCAP NT + FM ¹	Negative	Negative	Negative
Positive Control (FM ¹)	Positive	Positive	Positive
Negative Control	Negative	Negative	Negative

FM¹: Fish meal + *Salmonella* (10.000 CFU/g)
Negative Control: sterile fish meal

Enterobacteria count (CFU/g, Treatment 2)

	24 hours	48 hours	72 hours
SALCAP NT + FM ²	< 10	< 10	< 10
Positive Control (FM ²)	12.000	9.400	11.000
Negative Control	< 10	< 10	< 10

FM²: Fish meal + *E.coli* (10.000 CFU/g)
Negative Control: sterile fish meal