

# AVEFENICOL ST

SAGARPA Q-0209-085



## Tablets

Broad spectrum antibacterial



### Formule

Each 100 ml contains::	
Sulfamethoxazole I	0.100 g
Trimethoprim	0.020 g
Excipient c.b.p.	1 Tableta

### Use in



Laying hens, fattening, combat and ornament birds.

## INDICATIONS AND USES

Road-spectrum antibiotic indicated for the control of diseases of the respiratory and digestive tracts and septicemia of birds caused by gram positive and gram negative bacteria susceptible to the formula.

## CLINICAL PHARMACOLOGY:

### • DRUG KINETIC:

Sulfamethoxazole and trimethoprim are absorbed in the digestive tract, reaching plasma and tissue levels rapidly. In the case of trimethoprim, almost half of one dose attaches to the plasma proteins and the active substance is quickly deactivated by conjugation. It is excreted by the liver by glomerular filtration and the speed of excretion is proportional to the acidity of the urine: high acidity high excretion. The circulating sulfamethoxazole binds to plasma albumin but never to the globulin or lipids. Sulfamethoxazole is distributed throughout the organism although in variable proportions: SNC has the smallest concentrations followed by the bones and the adipose tissue. Sulfamethoxazole is excreted mainly through the kidneys and in small amounts through feces; small quantities are excreted through bile, gastric juices, pancreatic juice and intestinal juice.

### • PHARMACODYNAMICS:

he action mechanism of this combination lies in its combined actions on the steps of the enzymatic pathway for the synthesis of tetrahydrofolic acid. The sulfamethoxazole inhibits the incorporation of PABA to folic acid while trimethoprim prevents the reduction of hydrofolate to tetrahydrofolate since it is a potent and selective inhibitor of bacterial hydrofolate reductase. The selective toxicity for the microorganisms is achieved because animal cells use preformed folates of hydrofolate reductase from inferior organisms..

## ETIOLOGIC AGENTS

Gram positive and Gram negative bacteria susceptible to the formula.

## DOSAGE:

Farm and fighting birds: 1 to 2 tablets in 1 liter of drinking water or directly in the beak ¼ to ½ tablet per kg of body weight daily for 3 to 5 days. Treatment may vary at the discretion of the veterinarian.

**ROUTE OF ADMINISTRATION:** Oral

## WITHDRAWAL PERIOD:

Product not to be administered 7 days before the slaughter of animals destined for human consumption. In laying hens the egg withdrawal time is 10 days after the last application.

**PRESENTATION:** Box with 100 tablets.

## WARNING:

Not to be administered to animals with dehydration or metabolic acidosis.  
Urinary acidifying agents increase the risk of crystallization of sulfonamides in urine.  
Not to be administered to animals sensitive to the ingredients of the formula.  
Store at room temperature at no more than 30°C in a dry place.  
Keep out of the reach of children.  
Product for exclusive use in veterinarian medicine.  
Sold by prescription only.

## DRUG INTERACTIONS

This Product should not be used simultaneously with antiacids. Sulfonamides antagonize the effects of penicillins