

SULFASAL PLUS

DESCRIPTION

SULFASAL is a synergistic association of doxycycline, sulphamide, phenazone and mucolytics in premix or soluble powder.

TECHNICAL PROPERTIES

Sulphamethoxyipyridazine is a sulphamide with a good absorption and distribution, achieving high pulmonary concentrations.

Doxycycline is a semi-synthetic liposoluble tetracycline that is absorbed for 80-90 % at digestive level and that persists for a long time in the organism due to its strong fixation to plasma proteins. Its half life is 18 to 22 hours. Doxycycline like other tetracyclines, may form a stable calcium complex in any bone-forming tissue, though in vitro it binds calcium less strongly than other tetracyclines so it is appropriate to administer it to young animals. It has a wide antibacterial action spectrum: *Salmonella*, *E. coli*, *Staphylococcus*, *Streptococcus*, *Listeria*, *Corynebacterium*, *Clostridium*, *Chlamydia*, *Pasteurella*, *Actinobacillus*, *Mycoplasmas* and *Haemophilus*. It is also active against some protozoa like *Giardia*.

Bromhexine is a mucolytic agent that decreases the viscosity of mucous secretions by fragmentation of mucopolysaccharides.

Guaiacol is an organic volatile expectorant is eliminated at bronchial level and that helps to eliminate the mucus.

Phenazone is a pyrazolic derivative with non-steroidal antithermic, analgesic and anti-inflammatory action. Its has a good absorption and its tissular diffusion takes place mainly in extracellular spaces. It is removed by renal, biliary and salivary route. It inhibits the synthesis of prostaglandins in the thermoregulator hypothalamic centers.

INDICATIONS AND SPECIES

Intended for poultry, pigs, sheep, goats and cattle in the treatment of :

- Poultry: colibacillosis and chronic respiratory disease.
- Pigs: colibacillosis, diarrhoea, pneumonia, poliartthritis and atrophic rhinitis
- Ruminants: pneumoenteritis and pasteurellosis.

Apart from the anti-infectious effects, **SULFASAL PLUS** has other properties such as mucolytic and expectorant, indicated for the symptomatic treatment of fever.

COMPOSITION

Doxycycline hyclate	30 mg
Phenazone	30mg
Sulphamethoxyipyridazine	100 mg
Bromhexine	1 mg
Trimethoprim	20 mg
Guaiacol	30 mg
Excipient to	1 g

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DOSAGE

It is administered orally dissolved in drinking water, milk or feed at the following doses:

- Soluble powder: 1-2 g per litre; for calves 1 g per 10 k.l.w. dissolved in milk twice a day.
- Premix powder: 2- 3 kg per ton.

INCOMPATIBILITIES

Do not administer together with penicillins as this can cause antagonistic effects. It can produce diarrhoea and renal lesions that should be treated with alkalinizers of the urine.

CONTRAINDICATIONS

Do not administer to animals with allergy, hepatic or renal problems.

PACKAGING

1 kg and 25 kg.

WITHDRAWAL PERIOD

Meat: 28 days.

Milk: 5 days. Do not use in small ruminants whose milk is intended for human consumption.

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