

Flortec[®] Premix 8%

Antibiotic Premix

REG. SAGARPA Q-2083-165

FORMULA

Each kg contains:

Florfenicol 80 g

Excipient cbp 1 kg

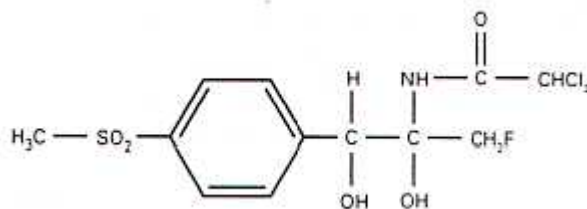
PRESENTATIONS

10 kg.



DESCRIPTION

Florfenicol is a broad-spectrum antibiotic that was developed as an alternative to prohibition of Chloramphenicol in animals for supply; has shown a wider spectrum than Chloramphenicol and even that its other analog, Tiamfenicol



Structural formula of Florfenicol

It also has good activity against some bacteria that are resistant to Chloramphenicol, although conceive a certain degree of cross resistance.

Within its spectrum, the effect on *Actinobacillus pleuropneumoniae*, *Salmonella* sp, *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Erysipelothrix rhusiopathiae*, *Escherichia coli*, *Pasteurella multocida*, *Bordetella bronchiseptica*, *Acetivobacter*, *Shigela* sp and *Hemophilus* sp.

As it is considered that the p-nitro group of Chloramphenicol is the one that causes aplastic anemia in the human being,

In the structure of Florfenicol some radicals were substituted, such as, for example, the hydroxyl group of the third carbon has been replaced by a fluorine, maintaining the same shape in space as Chloramphenicol and like thiamphenicol, the p-nitro group is replaced by a sulfur radical. Chloramphenicol and thiamphenicol can be inactivated by the genus *Enterobacteriae* by acetylation of the hydroxyl group in the atoms of carbon 1 and 3, in the propanediol chain, which does not occur in Florfenicol, because it has a union fluoride, which apparently gives rise to greater potency against pathogenic microorganisms in comparison with its two analogues.

PHARMACOKINETICS

The half-life of Florfenicol orally is from 2.9 to 8.9 h after the first dose, and from 3.1 to 13.4 h after the seventh dose

MECHANISM OF ACTION

It is an antibiotic that inhibits the synthesis of proteins at the ribosomal level, that is, blocking the incorporation of amino acids in the peptide chains of proteins in the process of transformation.

It inhibits protein synthesis in bacteria and, to a lesser extent, in eukaryotic cells. Penetrates the bacterial cells by facilitated diffusion. It acts above all by linking reversibly to the 50s ribosomal subunit, near the site of action of the macrolides. You can also block the synthesis of mitochondrial proteins in the cells of mammals.

INDICATIONS

Antibiotic premix indicated for the prevention and treatment of diseases of pigs all ages by germs susceptible to Florfenicol, and in fattening birds; caused by *Salmonella* spp, *Escherichia coli*, *Pasteurella haemolytica*, *Pasteurella multocida*, *Haemophilus somnus*, *Haemophilus parasuis*, *Streptococcus suis*, *Mycoplasma* spp; and *Actinobacillus pleuropneumoniae*

DOSE

Species	Preventive Treatment	Therapeutic Treatment
Birds	Administer 250 g of Flortec Premix 8% per ton of food finished, (20 ppm Florfenicol), during a period of 5 to 7 days.	Manage from 500 g to 1 Kg of Flortec Premix 8% per ton of food finished, (40 to 80 ppm Florfenicol), during a period of 5 to 7 days. .
Swine	Administer 250 g of Flortec Premix 8% per ton of food finished, (20 ppm Florfenicol), during a period of 5 to 7 days.	Manage 500 g of Flortec Premix 8% per tonne of finished food, (40 ppm of Florfenicol), during a period from 5 to 7 days

ROUTE OF ADMINISTRATION

Oral, mixed with the finished food.

WARNINGS

You should not use this product 24 hours before the slaughter of animals intended for human consumption.

Keep in a cool and dry place.

Keep out of reach of children.

CONSULT A VETERINARY

YOUR PURCHASE REQUIRES A MEDICAL PRESCRIPTION