

Primecin®

Injectable solution of ciprofloxacin 7.5% REG.
SAGARPA Q-2083-046



FORMULA

Each mL contains:

Ciprofloxacin (As Ciprofloxacin Hydrochloride) 75 mg.

Vehicle c.b.p. 1 mL

INDICATIONS

For the prevention and treatment of the infection, it is caused by Gram-positive, Gram-negative and Mycoplasma bacteria, as well as in respiratory, digestive, septicemic and genitourinary infections of cattle and pigs.

PHARMACOKINETICS

After intramuscular administration, Primecin rapidly diffuses to therapeutic levels in body fluids and tissues (mainly lung tissue), where it penetrates the cells, to exert its bactericidal action that takes place both in the rapid cell growth phase and in the stationary phase with minimal inhibitory concentrations (MIC90) between 0.01 to 2.0 mcg / mL; so that its bactericidal action is of rapid onset, in most cases, at concentrations only 2-4 times the bacteriostatic.

ACTION MODE

The bactericidal effect of Primecin is based on its ability to inhibit the enzymatic action of topoisomerases, which act on microbial DNA:

Primecin has a rapid bactericidal action by inhibiting DNA gyrase (topoisomerase II) which is the enzyme responsible for the super-winding of DNA, as well as transcription and cell replication, thus causing a lethal effect on microbial DNA.

Primecin acts rapidly both in the resting phase and in the multiplication (inhibition of bacterial gyrase), while other antibiotics only act in the multiplication period.

SPECTRUM OF ACTION

The activity of Primecin comprises a wide range of microorganisms:

Gram Negativos:

Actinobacillus pleuropneumoniae

Pasteurella multocida

(*Haemophilus*)

Pasteurella (Mannheimia) haemolytica Bacteroides spp

Pseudomona sp

Bordetella bronchiseptica

Salmonella spp

Escherichia coli

Shigella spp

Haemophilus spp

Campylobacter spp

Gram positives:

Clostridium spp

Corynebacterium spp

Erysipelothrix rhusiopathiae

Listeria monocitogenes

Staphylococcus aureus

Staphylococcus spp

Streptococcus spp

Mycoplasmas

Mycoplasma hyopneumoniae

Mycoplasma hyorhinis

Mycoplasma bovis

Mycoplasma gallisepticum

Mycoplasma synoviae

SPECIES FOR WHICH THE PRODUCT IS RECOMMENDED

Cattle and swine.

DOSE

In cattle, 1 mL per 30 kg of weight, equivalent to 2.5 mg of ciprofloxacin per kg of weight.
In pigs 1 mL per 20 kg of weight, equivalent to 3.75 mg of ciprofloxacin per kg of weight.

ROUTE OF ADMINISTRATION

Administer by deep intramuscular injection.

PRECAUTIONS

In pigs do not apply more than 5 mL in the same place.
In calves do not apply more than 10 mL in the same place.
In cattle, do not apply more than 20 mL in the same place.

WARNINGS

This product should not be used 5 days before the slaughter of animals intended for human consumption. Do not consume the milk of the treated animals until 48 hours after the last treatment.

Keep out of reach of children Store in the shade and in a cool place.

PRESENTATIONS

Glass bottle of 20, 100 and 250 mL.

CONSULT THE VETERINARY PHYSICIAN
YOUR PURCHASE REQUIRES A MEDICAL PRESCRIPTION