

FLOROVET 400MG/ML INJECTION

Description and Composition

FLOROVET 400MG/ML INJECTION is a light yellow to yellow clear solution. Each ml contains 400mg of Florfenicol as its active ingredient.

Pharmacodynamics

Florfenicol, is a wide spectrum, synthetic antibacterial substance. It is structurally related to D (-)threo chloramphenicol (CAP), but differs from it in two fundamental aspects: firstly, presence of a p-methyl sulfonyl group instead of the p-nitro group, secondly, presence of fluorine atom instead of the hydroxyl group in the terminal primary alcohol function of CAP.

Florfenicol was shown to be like chloramphenicol in inhibiting peptidyl transferase activity specially on 70 S ribosomes. Selected bacterial strains highly resistant to chloramphenicol and thiamphenicol, because of chloramphenicol acetyltransferase production, were, in contrast, highly sensitive to inhibition by the fluorinated antibiotics.

Pharmacokinetics

In cattle

Intramuscular administration of the formulation at the recommended dose of 20mg/kg maintains efficacious blood levels for 48 hours. Maximum mean serum concentration (C_{max}) of 3.8 µg/ml occurred 5.7 hours (T_{max}) after dosing. The mean serum concentration 24 hours after dosing was 1.95 µg/ml. The mean elimination half life was 15.3 hours.

In pigs

After intramuscular administration of florfenicol, maximum serum concentration of 4.7 µg/ml is reached after 1.8 hours and the concentrations deplete with a terminal mean half-life of 14.8 hours. After administration to pigs by the intramuscular route, florfenicol is rapidly excreted, primarily in urine. The florfenicol is extensively metabolised.

Indication

Cattle: For the treatment of *Pasteurella pneumonia*, *Haemophilus pneumonia*, nephropathy caused by *Pasteurella haemolytica*, *Pasteurella multocida*, *Haemophilus somnus*, *Fusobacterium necrophorum*, and *Bacteroides melanogenicus* susceptible to florfenicol.

Pigs: For the treatment of Pleural pneumonia, *Pasteurella pneumonia*, *Mycoplasma pneumonia*, *Haemophilus pneumonia*, Salmonella diarrhea caused by *Actinobacillus pleuropneumoniae*, *Pasteurella multocida*, *Haemophilus parasuis*, *Salmonella* spp., *Mycoplasma hyopneumoniae*, and *Mycoplasma hyorhinis* susceptible to florfenicol.

Recommended Dose

Cattle: 0.05ml of product (equivalent to 20mg florfenicol) per kg body weight intramuscularly into the neck once a day, repeat same amount after 48 hours.

Pigs: 0.037ml of product (equivalent to 15mg florfenicol) per kg body weight intramuscularly once a day into the neck area, repeat same amount after 48 hours. Do not exceed 3ml per injection site.

Route of Administration

By intramuscular injection.

Contraindication

Do not use on animals that have had a shock or hypersensitivity reaction to this drug or an oxacephem antibiotics.

Warning and Precautions

Special warnings for each target species:

None.

Special precautions for use:

Special precautions for use in animals

Do not use on animals that have had a shock or hypersensitivity reaction to this drug or an oxacephem antibiotics.

Do not use in combination with other drugs.

If the injection method is wrong, pain, induration and suppuration may occur.

If the environment is poor or the injection site is contaminated, inflammation and suppuration may occur at the injection site. Therefore, clean the injection site with 70% alcohol before use.

Use as directed by your veterinarian.

Do not use arbitrarily as safety and efficacy have not been established except for the specified animals.

Do not over-administer the drug with the same ingredient as this agent.

Special precautions to be taken by the person administering the veterinary medicinal product to animals

During injection, be careful about safety accidents as the inoculator may be attacked by animals due to injection pain.

Personnel should wear protective equipment such as gloves, mask and protective clothing to avoid direct skin contact or inhalation of the drug.

In case of contact with skin or eyes when handling the drug, wash it off immediately and seek medical attention immediately if any abnormal symptoms are found.

Interaction with Other Medicaments

Do not use in combination with other drugs.

Pregnancy and Lactation

Do not administer to pregnant animals.

Side Effects

After injection, edema and erythema may occur temporarily around the anus of the pig.

After administration, temporary decrease in feed or water intake or diarrhea may occur.

Symptoms and Treatment of Overdose

In swine after intramuscular administration of 3 times the recommended dose or more, a reduction in feeding, hydration and weight gain has been observed. After administration of 5 times the recommended dose or more, vomiting has also been noted.

Storage Condition

Store below 30°C.

Keep away from direct sunlight.

Shelf life

3 years.

Following withdrawal of first dose, use the product within 24 hours. Any unused material should be discarded

Withdrawal Periods

Cattle: 44 days

Pigs: 12 days

Do not use in dairy cattle.

Packing

20ml, 50ml, 100ml, 250ml

Revision date: 21.3.22

	Manufacturer & Product Registration Holder
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