Leaflet

For Veterinary Use Only

FURAVET

Powder for Oral Solution

Veterinary Systemic Antibacterial

COMPOSITION

It contains oxytetracycline hydrochloride equivalent to 163,41 mg Oxytetracycline base and Neomycin sulfate equivalent to 123,45 mg neomycin per gram.

PHARMACOLOGICAL PROPERTIES

Furavet Powder for Oral Solution is a product composed of oxytetracycline and neomycin. Oxytetracycline, one of the active ingredients, provides a bacteriostatic effect by inhibiting protein synthesis in susceptible microorganisms. The effects of oxytetracycline, depending on the bacterial species, are as follows:

It has a good effect on Gram positive aerobes (*Bacillus spp., Corynebacterium spp., Erysipelothrix rhusiopathiae, Listeria monocytogenes* ve *Streptococcus spp*.), Gram negative bacteria (*Actinobacillus spp., Bordetella spp., Francisella tularensis, Haemophilus spp., Pasteurella multocida, Yersinia spp., Campylobacter fetus, Borrelia spp. and Leptospira spp*.), anaerobes (*Actinomyces spp., Fusobacterium spp.*) and *Mycoplasma spp., Chlamydia spp., Ehrlichia spp., Coxiella burnetti, Anoplasma*.

Because of to acquired resistance, its effectiveness against *Staphylococcus* spp., *Enterococcus* spp., *Enterobacter* spp., *E. coli, Klebsiella* spp., *Proteus* spp., *Salmonella* spp., *Bacteriodes* spp., and *Clostridium* spp. is variable. *Pr. Vulgaris, Ps. Auriginosa, C. jejuni, Staph. Aureus, Serratia spp., M. bovis, M. Hyopneumoniae, Mycobacterium* spp., *Strep. Faecalis*, and *Bac. Fragilis* are considered resistant to tetracyclines.

Oxytetracycline is very well absorbed from the digestive system after oral administration. The portion that enters the circulation binds to plasma proteins at a rate of 20-40%. It is distributed throughout the body, primarily to the liver, kidneys, and lungs. It is excreted from the body in urine and bile.

Neomycin is an aminoglycoside antibacterial agent obtained from Streptococcus fradiae cultures and has a bactericidal effect. It acts by disrupting protein synthesis in bacteria. Neomycin is effective against mainly gram-negative bacteria (*E. coli, Enterobacter aerogenes, Pasteurella* spp., *Pr. Vulgaris, Salmonella* spp., *Shigella* spp., *H. influenza, N. meningiditis, Vibro cholerae*) and some gram-positive bacteria (*Staph. aureus, Strep. faecalis*).

Klebsiella spp., *E. coli,* and *Pseudomonas* spp. are relatively less susceptible. *Streptococcus pyogenes* and viridans group streptococci are resistant.

Neomycin is absorbed from the digestive tract to a very limited extent (up to 3%) and is therefore effective against pathogens that cause enteritis. It has a selective effect on coliform bacteria. After oral administration, it maintains its antibacterial activity in the digestive tract for 12 hours. It is excreted in the feces without significant degradation in the intestines.

AREA OF USE/INDICATIONS

It is used for the treatment of infections caused by the bacteria susceptible to neomycin and oxytetracycline in poultry, lambs and calves that have not started rumination;

- It is also used for respiratory tract infections (CRD), as well as digestive system infections such as blue comb, pullorum, fowl cholera, avian typhoid, bacterial enteritis, and infectious synovitis

in poultry.
-It is used for respiratory and digestive system infections in calves and lambs.

USAGE AND DOSAGE
In poultry, the medication should be administered after the animals have been deprived of water for a period of time, allowing the medicated water to be consumed within a short period of time. The medicated water should be prepared daily. For lambs and calves, it is mixed with a small amount of water and given immediately. Treatment should be continued for three days.

Target Species	Practical Dose	Treatment Period
Chick	80 mg/kg body weight	3 days
Chicken, turkey	165 mg/kg body weight	3 days
Lamb	1.3 g/20 kg body weight	3 days
Calve	1 g/20 kg body weight	3 days

SPECIAL CLINICAL INFORMATION AND SPECIAL WARNINGS FOR TARGET SPECIES
In newborns, particularly during the first 24-48 hours after birth, the digestive system has a very high absorption capacity. Therefore, certain substances that are absorbed to a very limited extent in adults can be absorbed to a degree that may cause poisoning in newborns. This factor should be taken into consideration in newborns.
Since oxytetracycline is a broad-spectrum antibacterial agent, its use in lambs and calves whose rumen activity has begun may have a detrimental effect on rumen activity. Therefore, its use in these animals is not recommended.

ADVERSE EFFECTS
Furavet Powder for Oral Solution has a wide tolerance and very low systemic effect, so there are no undesirable side effects at the recommended doses and durations of use. Side effects such as digestive disorders may occur with prolonged use or frequent repetition of treatment. Dosage limits should be adhered to, and it should not be used for more than 5 consecutive days.
Aminoglycosides, including neomycin, may have undesirable effects on the kidneys and hearing organs. If used for longer than the recommended duration or if treatment courses are frequently repeated, the natural balance of the intestinal microflora may be disrupted; side effects such as digestive disorders and constipation may occur.
Long-term use of oxytetracycline in very young animals may cause discoloration of bones and teeth. When used at high doses for long periods, it may cause fatty hepatic degeneration in animals with pre-existing hepatic insufficiency and in pregnant animals.

DRUG INTERACTIONS
It should not be used in combination with mineral feed additives. Two or three valuable minerals reduce the absorption of tetracyclines in the digestive tract. Therefore, it should not be given to calves and lambs together with milk. The drug should be administered at least 2-3 hours before or after milk feeding.
Aminoglycosides, to which neomycin belongs, should not be administered simultaneously with other aminoglycosides, neurotoxic, nephrotoxic, or ototoxic treatments due to their side effects. Similarly, they should not be used in combination with drugs that have harmful effects on the

kidneys, such as sulfonamides, or with other drugs that cause neuromuscular blockade and anesthetics. When used with furosemide, amphotericin B, polymyxin B, vancomycin, or cefalotrin, the toxic effect on the kidneys and inner ear increases. Penicillins may reduce the absorption of neomycin. The antibacterial effect of neomycin decreases in acidic environments and in environments containing divalent minerals at high concentrations.
Oxytetracycline, ampicillin sodium, amikacin sulfate, penicillin, carbenicillin sodium, chloramphenicol sodium succinate, cloxacillin sodium, meperidine HCl, methicillin sodium, novobiocin sodium, oxacillin sodium, cephalosporins, sulfadiazine, sodium barbiturates, phenytoin, sodium prochlorperazine, sodium pentobarbital, promethazine, calcium compounds, hydrocortisone, sodium succinate, methylprednisolone sodium succinate, and B group vitamins.

SYMPTOMS OF OVERDOSE, PRECAUTIONS AND ANTIDOTE
It is safe for use in target species at recommended doses. High doses may cause ototoxicity, nephrotoxicity, severe diarrhea, anorexia, and vomiting.

WITHDRAWAL PERIODS
Meat: 10 days for lamb and calve, 14 days for poultry.
Egg: 14 days.

CONTRAINDICATIONS
It should not be used in animals with liver and kidney failure. Oxytetracycline is not used in horses, cats, and dogs. It may cause disruption of the microbial flora in horses. Its use is not recommended in rabbits, guinea pigs, and hamsters as it may cause disruption of the gastrointestinal flora. Its use is not recommended in ruminants with developed rumens as it may be harmful. It should not be used in combination with drugs known to be ototoxic. It should not be used in animals sensitive to neomycin and oxytetracycline.

GENERAL WARNINGS
Consult a veterinarian before use and if any unexpected effects occur. Keep out of reach of children.

STORAGE CONDITIONS AND SHELF LIFE
It should be stored in the original packages, below 25°C, away from sunlight, without refrigeration or freezing. The shelf life is 2 years.

DISPOSAL AFTER USE AND WARNINGS FOR NON-TARGET SPECIES
Used or leftover product must be disposed of according to the relevant legislation.

COMMERCIAL PRESENTATION FORM
20 g white polyethylene bottle with box, 100 ml and 1000 g white polyethylene jars without a box.

PLACE AND CONDITIONS OF SALE
It is sold in pharmacies, veterinary surgeries, polyclinics and animal hospitals with a veterinarian's prescription. (VSP)

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Balıkhisar Mah. Balıkhisar Köy İçi Küme Evleri No:765A Akyurt/Ankara-Türkiye

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