

QUINOSOL 20% SOLUTION

Description and Composition

QUINOSOL 20% SOLUTION is clear yellow solution. Each ml contains 200mg Enrofloxacin as its active ingredient.

Pharmacodynamics

Enrofloxacin is a synthetic, broad spectrum antimicrobial substance, belonging to the fluoroquinolone group of antibiotics. It is bactericidal in action by a concentration-dependant killing activity against many Gram positive and Gram negative bacteria and mycoplasmas. The mechanism of action of the quinolones is unique among antimicrobials - they act primarily to inhibit bacterial DNA gyrase, an enzyme responsible for controlling the supercoiling of bacterial DNA during replication. Resealing of the double stranded helix is inhibited resulting in irreversible degradation of the chromosomal DNA. The fluoroquinolones also possess activity against bacteria in the stationary phase by an alteration of the permeability of the outer membrane phospholipid cell wall

Pharmacokinetics

The pharmacokinetics of enrofloxacin are such that oral and parenteral administration leads to similar serum levels. Enrofloxacin possesses a high distribution volume. Tissue levels 2 - 3 times higher than that found in the serum, have been demonstrated in laboratory animals and target species. Organs in which high levels can be expected are the lungs, liver, kidney, skin, bone and lymphatic system. Enrofloxacin also distributes into the cerebrospinal fluid, the aqueous humour and the foetus in pregnant animals.

Indication

It is indicated for use in turkeys, broiler, and pullets being reared as layers for diseases of the respiratory and alimentary tract of bacterial or mycoplasmal origin such as pasteurellosis, mycoplasmosis, colibacillosis, coli-septicaemia and salmonellosis .

Recommended Dose

For administration via drinking water.

The dose rate is 10 mg per kg body weight daily.

Total number of birds x Average body weight in kg x 0.05 =

Total volume of QUINOSOL per day.

For the treatment of salmonellosis or pasteurellosis: 5 to 10 days.

For other conditions: 3 to 5 days.

Route of Administration

For oral administration via drinking water.

Contraindication

The product should not be used for prophylaxis.

Warning and Precautions

Do not exceed the recommended dose.

Interaction with Other Medicinal Product

Sucralfate (a medication used to treat stomach ulcers) may bind enrofloxacin and prevent it from entering the body. These medications should be given at least 2 hours apart if they are used together.

Medications or supplements containing iron, zinc, magnesium or aluminum will bind enrofloxacin and prevent absorption into the body. Such medications should be separated from enrofloxacin by at least two hours.

Pregnancy and Lactation

Pregnancy and lactation: Not applicable, the product is indicated only for use in poultry.

Layer: Do not administer to layer replacement birds within 14 days of coming into lay

Side Effects

At approximately ten times the recommended dose vomiting and diarrhea may be seen with this medication. The use of enrofloxacin can produce crystals in urine. These crystals may show up on a laboratory test thus it is important to be aware of this side effect.

Symptoms and Treatment of Overdose

It is unlikely an acute overdose of enrofloxacin would result in symptoms more serious than either anorexia and vomiting.

Storage Condition

Store below 30°C. Protect from light.

Shelf life

To be used within 24 hours after dilution.

After first opening the container, any product remaining after 24 hours should be discarded.

3 years.

Withdrawal Period

Chickens and turkeys: 8 days


Not for use in birds producing eggs for human consumption.

Packing

500ml bottle

TO BE PRESCRIBED BY REGISTERED VETERINARY SURGEONS ONLY

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