

N.S. LABORATORY SDN. BHD.

ETHOCIN, 300mg/g, Powder for use in drinking water

Active Ingredient:

Each gram contains

Erythromycin thiocyanate-----324.0mg

Product Description:

White or slightly yellow powder which can be dissolved in animal drinking water.

Dosage form:

Powder for use in drinking water

Pharmacodynamics:

Erythromycin is a macrolide antibiotic with a bacteriostatic action against a wide range of bacteria, although it also has a bactericidal action against certain pathogenic organisms. It is highly active against gram-positive bacteria and at low concentrations it inhibits many other types of microorganisms. In addition to the gram-positive bacteria, most strains of *Neisseria* and *Haemophilus* are sensitive as are some strains of *Bordetella*, *Brucella*, *Pasteurella*, *Listeria*, *Actinomyces*, *Mycoplasma*, *Rickettsia*, certain large viruses and *Treponema pallidum*. Erythromycin exerts its effect only against multiplying bacteria. It inhibits protein synthesis by binding to 50 S ribosomal subunits of sensitive microorganisms. Certain resistant microorganisms with mutational changes in components of this subunit of the ribosome fail to bind the drug.

Pharmacokinetics:

Erythromycin is absorbed rapidly when administered orally and diffusion occurs into most tissues and fluids. Elimination of erythromycin occurs primarily through hepatic metabolism and the remainder is excreted in active form in the urine and bile.

Environmental Properties:

Due to a lack of information on the fate and effects of erythromycin in the environment veterinary surgeons prescribing this product under the cascade should satisfy themselves that there will be no adverse impact on the environment.

Indication:

For the treatment of Chronic Respiratory Disease caused by *Mycoplasma* infection.

Mode of Administration:

Oral administration via drinking water.

Recommended Dosage:

For oral administration via the drinking water. The intake of medicated water depends on the clinical condition of the animals. In order to obtain the correct dosage, the concentration of erythromycin has to be adjusted accordingly. Mix 38.5g product per 45 litres of drinking water continuously for 1-5 days, depending on response (approximately 25.5 mg/kg Erythromycin bodyweight per day). Slowly add the contents to not less than 2.25 litres of clean, cold drinking water, stirring continuously until completely dissolved. This solution should then be added to more drinking water to make up a total volume of 45 litres. Ensure that the inlet to the header tank is closed. For larger pack size, mix 54.9g product per 64 litres of drinking water and administer continuously for 1-5 days, depending on response (approximately 25.5 mg/kg Erythromycin bodyweight per day). Slowly add the contents to

not less than 3.25 litres of clean, cold drinking water, stirring continuously until completely dissolved. This solution should then be added to more drinking water to make up a total volume of 64 litres. Ensure that the inlet to the header tank is closed.

Contraindications:

Any medicated drinking water which is not consumed within 24 hours should be discarded.

Special Warnings for each Target Species:

None.

Special Precautions for Use in Animals:

The water system to which the product is added must be in good working order and the header tanks and troughs must be free of dust, algae or other particulate matter. Official, national and regional antimicrobial policies should be taken into account when the product is used. Due to a lack of information on the fate and effects of erythromycin in the environment veterinary surgeons prescribing this product under the cascade should satisfy themselves that there will be no adverse impact on the environment.

Special Precautions to be taken by the Person Administering the Veterinary Medicinal Product to Animals:

Do not eat, drink or smoke while preparing the diluted formulation or while animals are being treated. In case of contact with eyes, rinse immediately with clean water and seek medical advice if irritation persists. Wash hands and exposed skin after use.

Interactions with other Medicaments:

None reported.

Usage during Pregnancy and Lactation:

Not applicable.

Adverse Effects:

None reported.

Overdose and Treatment:

No information available.

Withdrawal Periods (Meat and Offal):

Chickens: 6 days; Eggs: 6 days.

Storage Condition:

Store in cool and dry place (< 30°C).

Shelf Life:

24 months

Shelf Life after Opening:

Discard any unused powder immediately after opening

Shelf Life after Dilution/Reconstitution:

24 hours

Packaging Available:

100g/packet, 100packets/carton, 10kg/carton;
500g/packet, 30packets/carton, 15kg/carton.

Manufacturer and Registration Holder:

N.S. Laboratory Sdn. Bhd.

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Revised Date:

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