

BROMUCO 10 mg/ml Oral Solution

Bromuco 10 mg/ml Oral Solution appears to be a light yellow color, clear solution.

Composition:

Each ml contains

Bromhexine HCl 10 mg

Pharmacodynamics:

Bromuco is a mucolytic with two main pharmacological actions. Firstly it stimulates an increase in the secretion of fluid by the mucus glands of the respiratory tract. Secondly it breaks down the network of acid glycoprotein fibres found in mucoid sputum, which are mainly responsible for the characteristic viscosity. Bromuco has been shown to increase mucociliary clearance in calves suffering from respiratory disease.

When Bromuco is administered simultaneously with Oxytetracycline in cattle and pigs, the levels of the antibiotic in the bronchial mucus are increased by more than 40%. The clinical significance of this action is uncertain.

Pharmacokinetics:

Absorption:

In pigs, Bromhexine is rapidly absorbed after oral administration with a peak plasma concentration obtain in three hours. The concentration plateau was reached in 12 hours after the second or the third administration.

In cattle, the plasma concentrations gradually increases over several hours after administration. The concentration plateau did not reached during the five days of the treatment period.

In turkeys or broilers, the peak plasma concentrations were reached within 2 to 4 hours after oral administration of Bromhexine. The concentration plateau appears to be achieved.

Distribution:

Due to the lipophilic nature of Bromhexine, a parent compound has a high affinity for lipid tissues and a slow depletion profile from these tissues.

Metabolism:

Bromhexine is extensively metabolized to more polar compounds.

Elimination:

The apparent half-life of elimination of the total plasma radioactivity after the last administration is 20 to 30 hours in pigs, 40 to 50 hours in cattle and 40 to 50 hours in chickens and turkeys.

Indications:

Calves, pigs, poultry, dogs, and cat: mucolytic treatment of congested airways.

Directions for Use:

Dosage and route of administration

Oral use.

0.45 mg of bromhexine per kg body weight, which is equivalent to 0.5 ml of powder per 10 kg body weight for 3 to 10 days, orally in solution in the beverage, corresponding to:

Calves: 2.5 ml to 5 ml.

Pigs:

Adults: 2.5 ml to 5 ml.

Young: 1 ml to 2.5 ml.

Dogs: 0.25 ml to 2 ml.

Cats: 0.25 ml.

Poultry: 1 ml of powder to 3 liters of drinking water.

Conduct of treatment:

The treatment should last at least 3 days. It can start with parenteral administration and be continued orally.

Mode of Administration: Oral

Contraindication:

None known.

Warning and Precautions:

Special warnings for each target species

None known.

Special precautions for use

(i) Special precautions for use in animals

None known.

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

Avoid contact with skin and eyes. In case of accidental eye contact, flush the affected eye with copious amounts of clean running water. Wash hands and exposed skin after administering the product.

Interactions with Other Medicaments:

May be used in conjunction with antibiotics and/or sulphonamides, bronchodilators etc.

Statement on Usage During Pregnancy and Lactation:

Use of the drug in pregnant or lactating animals will depend on the evaluation of the benefit / risk ratio by the veterinarian.

Adverse Effects / Undesirable Effects:

None known.

Overdose and Treatment:

No treatment is specified.

Withdrawal Period (s):

Meat and offal:

Cattle: 2 days.

Pigs: zero day.

Poultry: zero day.

Dogs and cats: None

Do not use in birds producing eggs for human consumption.

Not permitted for use in cows producing milk for human consumption.

Storage Condition:

Store below 30°C. Protect from heat and sunlight exposure.

Keep medicine out of reach of children. (Jauhkan ubat dari kanak-kanak).

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal products should be disposed of in accordance with local requirements.

Shelf-life as packaged for sale: 2 years

Shelf-life after opening: 28 days

Shelf-life after reconstitution: 24 hours

Packaging Available: 1 L.

Date of revision: 11-05-2015

Name and Address of Manufacturer:

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