

# AMOSEL-50

ORAL POWDER

Amoxicillin Trihydrate 500gm

For Veterinary Use Only

## **STATEMENT OF ACTIVE SUBSTANCE (S) AND OTHER INGREDIENTS:**

Each gram of powder contains  
Amoxicillin Trihydrate eq. to Amoxicillin 500mg

## **INDICATIONS:**

AMOSEL-50 Oral Dry Powder is indicated for the treatment of chronic respiratory disease (CRD), pneumonia, fowl cholera, infectious coryza, fowl typhoid, colibacillois, infectious enteritis, and staphylococcus and bumble foot in poultry.

## **PHARMACODYNAMICS:**

AMOSEL-50 Oral Dry Powder is a water soluble formulation containing amoxicillin Trihydrate as active substance.

Amoxicillin belongs to the group of aminopenicillins. It is bactericidal in action and exhibits a wide range of activity against both aerobic and anaerobic Gram-positive and Gram-negative bacteria. It is, however, not active against beta-lactamase-producing organisms. Resistance of Gram-negative bacteria to amoxicillin is relatively common. It owes its activity to the inhibition of the development of the peptidoglycan network structure in the bacterial cell wall.

## **PHARMACOKINETIC:**

Amoxicillin is well absorbed following oral administration and it is stable in the presence of gastric acids. Excretion of amoxicillin is mainly in the unchanged form via the kidneys to give high concentration in renal tissue and urine. Amoxicillin is well distributed in body fluids. Studies in birds have indicated that amoxicillin is distributed and eliminated more rapidly than in mammals. Biotransformation appeared a more important route of elimination in birds than in mammals.

## **CONTRAINDICATIONS:**

This product should not be administered to rabbits, guinea pigs, hamsters, gerbils or any other small herbivore. Do not use in animals with known hypersensitivity to penicillins or other  $\beta$ -lactam

antibiotics or to any of the excipients. Do not administer to animals with renal disease including anuria or oliguria.

## **ADVERSE REACTIONS:**

Penicillins and cephalosporin may cause hypersensitivity reactions which may occasionally be serious.

## **TARGET SPECIES:**

Poultry & Livestock

## **DOSAGE FOR EACH SPECIES, ROUTE(S) AND METHOD OF ADMINISTRATION:**

Administer the following dose orally, mixed in the drinking water.

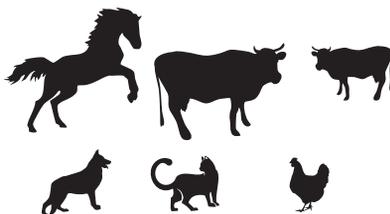
**Poultry:** 1gram per 5 liters of drinking water for 3-5 days.

**Calves:** 20-40mg amoxicillin per kg body weight twice daily for 3-5 days.

## **SPECIAL STORAGE PRECAUTIONS:**

Store between 15-25°C in a cool and dry place.  
Use medicated drinking water within 24 hours.  
Keep out of the reach of children.  
Protect from moisture.

## **Selmore's Specs**



 **Selmore**  
Pharmaceuticals (Pvt) Ltd.

Manufactured by:  
Selmore Pharmaceuticals (Pvt) Ltd.  
36 Km Multan Road, Lahore, Pakistan.



ISO CERTIFIED COMPANY