

AMCOCIN

POWDER

For Veterinary Use Only

COMPOSITION:

Each kg contains
Amoxicillin Trihydrate eq. to Amoxicillin.....100g
Colistin Sulphate.....50MIU
Neomycin Sulphate.....200g

INDICATIONS:

Amcocin Powder is indicated for control and treatment of respiratory, urogenital and gastrointestinal infections like bacterial enteritis caused by *Escherichia coli*, *Salmonella*, *Clostridium*, *Corynebacterium*, *Haemophilus*, *Pasteurella* and *campylobacter* species in poultry, calves, sheep and goat

PHARMACOLOGICAL PROPERTIES:

Amoxicillin Trihydrate:

A broad-spectrum semisynthetic antibiotic similar to ampicillin except that its resistance to gastric acid permits higher serum levels with oral administration. Amoxicillin is commonly prescribed with clavulanic acid (a beta lactamase inhibitor) as it is susceptible to beta-lactamase degradation.

Colistin Sulphate :

Colistin is an important antibiotic against multidrug-resistant (MDR) Gram-negative bacteria (GNB), particularly *Escherichia coli*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa* and *Acinetobacter baumannii*. Although it is an old antibiotic, Colistin has emerged as an important agent in the treatment of GNB infections, especially those caused by MDR pathogens in hospitalised patients. Limited therapeutic option against Carbapenem-resistant Gram-negative bacilli (*E. coli*, *Klebsiella*, *Pseudomonas* and *Acinetobacter*) is one of the major problems in clinical practice. The current review discusses the pharmacology, toxicity, drug resistance, importance of therapeutic drug level monitoring and cost of one of the most important antibiotics in the current practice.

Neomycin Sulphate :

Neomycin is bactericidal; it binds directly to the 30S ribosomal subunit, thus inhibiting bacterial protein

synthesis. Its spectrum of action includes many aerobic gram-negative organisms and some aerobic gram-positive organisms. Drug is far less active against many gram-negative organisms than are amikacin, gentamicin, netilmicin, and tobramycin. Given orally or as retention enema, neomycin inhibits ammonia-forming bacteria in the GI tract, reducing ammonia and improving neurologic status of patients with hepatic encephalopathy. It's rarely given systemically because of its high potential for ototoxicity and nephrotoxicity.

DOSAGE AND ADMINISTRATION:

Poultry: Prevention: 50g per 200 litres of drinking water for 3-5 days.

Treatment: 100g per 200 litres of drinking water for 3-5 days.

Calves / Sheep / Goat: 0.5-1gram per 10kg body weight by oral route for 3-5 days.

PRECAUTIONS:

Do not use in animals sensitive to penicillin. Use medicated drinking water within 24 hours. Consult the veterinarian before use.

Protect from light & moisture.

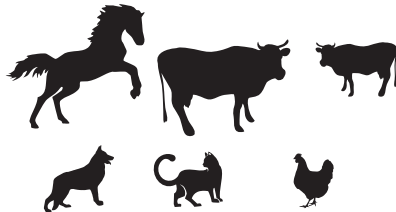
Keep out of the reach of children.

Store between 15-25°C in a cool and dry place.

WITHDRAWAL TIME:

Meat: 8 days

Selmore's Specs



 **Selmore**
Pharmaceuticals (Pvt) Ltd.

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



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