

SOLOMOX

For Veterinary Use Only

Composition:

Each gram contains

Amoxicillin as Trihydrate.....700mg

Indications:

Solomox powder is indicated for the treatment of chronic respiratory disease, pneumonia, fowl cholera, infectious coryza, fowl typhoid, colibacillosis, infectious enteritis, staphylococcus and bumble foot in poultry.

Dosage and Administration:

Poultry: 1 gm in 7 litres of drinking water for 3-5 days.

Calves: 20-40mg Amoxicillin per kg body weight twice a day for 3-5 days.

Pharmacodynamics:

The active ingredient, amoxicillin, is a bactericidal antibiotic of the beta-lactam class. It acts by inhibition of bacterial cell wall synthesis. Amoxicillin is not resistant to the action of beta-lactamases, which can hydrolyse the molecules causing the beta-lactam ring structure to open, rendering it antibiotically inactive. The information for staphylococcal beta-lactamase is encoded in a plasmid and may be transferred by bacteriophage to other bacteria. In Gram- bacteria beta-lactamases are encoded in either chromosomes or in plasmids and they may be constitutive or inducible. Plasmids may be transferred between bacteria through conjugation. Some bacteria are intrinsically resistant to amoxicillin, because they have decreased affinity for the antibiotic. Decreased affinity may also be acquired by homologous recombination between genes of different species. Other instances of bacterial resistance are caused by the inability of the agent to penetrate to its site of action (some Grambacteria) or by energy dependent efflux systems for pumping the antibiotic out of the bacteria. In general, practical development of resistance in vitro against amoxicillin like all penicillin occurs slowly and stepwise, with an existing cross-resistance with other penicillins which is of practical significance by staphylococci. Both long term treatment and sub-

Oral Powder

therapeutic dosages can select for antimicrobial resistance. Amoxicillin is generally active against some Gram-negative and most Gram-positive bacteria e.g. penicillin sensitive Staphylococci, Streptococci, Pasteurella spp., Clostridium spp., Salmonella spp., Haemophilus paragallinarum, and Escherichia. coli. Resistance amongst Escherichia. coli strains is not uncommon.

Precautions:

Keep the Jar / Sachet tightly closed after initial use.

Consult the veterinarian before use.

Protect from light & moisture.

Keep out of the reach of children.

Store between 15- 25 degrees centigrade in a cool and dry place.

Withdrawal Time:

Meat:8 days

BP Vet. Specs.



Selmores
Pharmaceuticals (Pvt) Ltd.

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

