

120x189mm

AMLOX INJECTION



For Veterinary Use Only

COMPOSITION:

Each ml contains:

Cloxacillin as Sodium.....50mg

Amoxicillin as Trihydrate.....100mg

INDICATIONS:

Amlox Injection is highly effective against both Gram-positive and Gram-negative bacteria linked to mastitis caused by Staphylococcus ssp., Staphylococcus agalactiae and Staphylococcus dysgalactiae, Corynebacterium pyogenes & E. coli. Additionally, it is useful in treating gastroenteritis, respiratory & urogenital tract infections including metritis, septicemia and wound infections.

CONTRAINDICATIONS:

Should not be used in animals with a known hypersensitivity (allergy) to any of active ingredients.

ADVERSE REACTIONS:

Hypersensitivity reactions, varying in severity from a light skin reaction such as urticaria to anaphylactic shock. Although the penicillins are not considered hepatotoxic, elevated liver enzymes have been reported. In cattle, local reactions and swelling at the injection site may occur, but always of low intensity and recedes spontaneously and quickly.

DOSAGE & ADMINISTRATION:

Administer the following dose by IM or SC injection.

Cattle, camels & horses: 30ml/300kg body weight.

Sheep & goats: 5ml/50kg body weight.

Poultry: 0.1ml/kg body weight.

PHARMACOLOGY:

PHARMACODYNAMIC PROPERTIES:

Amoxicillin:

The active ingredient, amoxicillin, is a bactericidal antibiotic of the beta-lactam class which 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 antibiologically inactive. Due to its wide distribution after absorption, high levels of amoxicillin are found in kidney, urine, liver and bile.

Cloxacillin:

Cloxacillin is a semisynthetic antibiotic in the same class as penicillin. Cloxacillin is for use against staphylococci that produce beta-lactamase. By binding to specific penicillin-binding proteins (PBPs)

located inside the bacterial cell wall, cloxacillin inhibits the third and last stage of bacterial cell wall synthesis. Cell lysis is then mediated by bacterial cell wall autolytic enzymes such as autolysins; it is possible that cloxacillin interferes with an autolysin inhibitor.

PHARMACOKINETIC PROPERTIES:

Amoxicillin:

Following intramuscular injection in cattle at the recommended dosage rate peak levels were observed 2.37 hours following final administration.

Following intramuscular injection in sheep at the recommended dosage rate peak levels were observed 1.75 hours following final administration.

Cloxacillin:

It is well absorbed from the gastrointestinal tract. Cloxacillin is approximately 94% protein-bound in plasma, primarily to albumin. Cloxacillin, like other penicillins, appears to be metabolized via breakage of the beta-lactam ring to form an inactive penicilloic acid metabolite.

WITHDRAWAL PERIOD:

Milk: 7 days.

Meat: 14 days.

PRECAUTIONS:

Shake well before use.

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

Keep out of the reach of children.

Consult the veterinarian before use.

Selmore's Specs.



Manufactured by:
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ISO CERTIFIED COMPANY

