

PenStrep 200

Antibiotic - Sterile Injectable Suspension



Veterinary Use



FORMULA:

1 ml of product contains:

Penicillin G procaine200.000 IU
Dihydrostreptomycin sulphate 200 mg
Excipients q. to..... 1 ml

DESCRIPTION:

PENSTREP 200 injectable suspension is the combination of procaine penicillin G and dihydrostreptomycin which acts additive and in some cases synergistic. Procaine penicillin G is a small-spectrum penicillin with a bactericidal action against mainly Gram-positive bacteria like *Campylobacter*, *Clostridium*, *Corynebacterium*, *Erysipelothrix*, *Haemophilus*, *Listeria*, *Pasteurella*, penicillinase negative *Staphylococcus* and *Streptococcus* spp. Dihydrostreptomycin is an aminoglycoside with a bactericidal action against mainly Gram-negative bacteria like *E. coli*, *Klebsiella*, *Pasteurella*, *Salmonella* and *Staphylococcus* spp.

Benzylpenicillin, to which procaine penicillin is hydrolysed after deep intramuscular injection is a beta-lactam antibiotic and has a bactericidal action against Gram-positive bacteria, Gram-negative cocci, some other Gram-negative bacteria, spirochaetes and actinomycetes.

Benzylpenicillin exerts its bactericidal action on growing and dividing bacteria by inhibiting bacterial cell-wall synthesis, although the mechanisms involved are still not precisely understood.

Bacterial cell walls are held rigid and protected against osmotic rupture by peptidoglycan.

Dihydrostreptomycin is an aminoglycoside with a bactericidal action against many strains of gram-negative bacteria including species of *Brucella*, *Calymmatobacterium*, *Campylobacter*, *Citrobacter*, *Escherichia coli* Enterobacter, *Francisella*, *Klebsiella*, *Proteus*, *Providencia*, *Pseudomonas*, *Serratia*, *Vibrio* and *Yersinia*.

PRESCRIPTION:

Indicated for the treatment systemic infections in cattle, calves, horses, goats, sheep and swine caused by or associated with penicillin and/or streptomycin sensitive micro-organisms, like *Arcanobacterium pyogenes*, *Erysipelothrix rhusiopathiae*, *Klebsiella pneumoniae*, *Listeria* spp, *Campylobacter*, *Clostridium*, *Corynebacterium*, *E. coli*, *Haemophilus*, *Mannheimia haemolytica*, *Pasteurella multocida*, *Staphylococcus* spp (non-penicillinase producing), *Streptococcus* spp, *Salmonella* spp., and for the control of secondary bacterial infections with sensitive micro-organisms in diseases firstly associated with viral infections.

DOSE AND USE:

For intramuscular administration.

Cattle: 1 ml. per 20 kg body weight for 3 days.

Calves, goats, sheep and swine: 1 ml. per 10 kg body weight for 3 days.

Do not administer more than 20 ml in cattle, not more than 10 ml in pigs and not more than 5 ml in calves, sheep and goats per injection site.

WARNINGS:

The product must be stored in its original container. Keep out of the reach of children. Avoid direct contact of product with skin and eyes. People with known hypersensitivity to the drug must avoid contact with product. Operator must wear mask, goggles, overall and rubber gloves. Take the product out of the package using sterile equipment. Shake well before use.

Do not use in cases of known hypersensitivity to penicillin, procaine and/or aminoglycosides.

Do not use in animals with a serious impaired renal function.

Concurrent administration with tetracycline, chloramphenicol, macrolides and lincosamide is contraindicated.

Side Effects:

Administration of therapeutic dosages of procaine penicillin G can result in abortion in sows.

Ototoxicity, neurotoxicity or nephrotoxicity.

Hypersensitivity reactions.

WITHDRAWAL PERIOD:

Meat: 23 days for cattle, swine and goats; and 31 days for sheep. Milk: 60 hours. Do not use in sheep producing milk for human consumption.

Store at a temperature not above 25°C, protected from light.

PACKING:

100 ml glass vial.

