COMBIKEL 40 L.A.

CLASS

Antibacterial agent

DOSAGE

Cattle: 1ml/10kg (this dosage was used for our lab)

Since cow 149 was estimated to be 200kg, 20ml of the suspension was given intramuscularly. Since a maximum of 10ml should be given at any one IM site: 10ml were given on each side of the rump to ensure no further complications occurred.

ADMINISTRATION

The suspension can be given one of two routes; either intramuscular or subcutaneous injections.

COMPOSITION

Procaine benzylpenicillin eq.120 000 I.U. - Benzathine benzylpenicillin eq.80 000 I.U. - Dihydrostreptomycin sulphate eq. 200 mg base - Excipients up to 1 ml.

TARGET SPECIES

Horses, cattle, pigs, sheep, goats, dogs, cats

INDICATIONS

Penicillin shows a marked bactericidal action against most commonly occurring Gram-positive cocci, bacilli and anaerobes, and also against some Gram-negative germs (e.g. Actinobacillus, Haemophilus, Leptospiren, some Pasteurella strains, anaerobes such as Fusobacterium and Bacteroides).

Dihydrostreptomycin is an aminoglycoside antibiotic predominantly active against Gram-negative cocci and bacilli, and also against some Gram-positive bacteria (e.g. Staph. aureus, Mycobacterium).

The combination of DHS and penicillin provides a bactericidal synergistic action with a broad spectrum.

Prevention and treatment of infections caused by penicillin G and/or DHS susceptible microorganisms such as respiratory tract infections (shipping fever, bronchopneumonias, upper respiratory tract infections), uro-genital tract infections (e.g. pyelonephritis by Corynebacterium renale, endometritis), infections of skin and wounds, streptococci infections in horses (strangles, Str. zooepidemicus infections in foals), erysipelas in pigs, panaritium, necrobacillosis in calves and piglets, anaerobe infections (clostridial infections, tetanus, anthrax), polyarthritis (navel ill), mastitis, septicaemia, bacterial infections secondary to viral ones.

The drug also can be used in postoperative prevention of infections which was done in our lab as a precautionary measure due to the complications which occurred during surgery.

ADVERSE REACTIONS:

* Risks hypersensitivity reactions and irritation at site of injection.
* Procaine seldom causes abortion in pregnant sows and nervous reactions in pigs.
* Prolonged administration leads to: deafness, ataxia, incoordination, nystagmus and nephrotoxic signs

Contraindications include:

* Known hypersensitivity to the drug.
* Renal insufficiency.