

# PENSTREP 20/20 LA

## COMPOSITION:

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

## PHARMACOLOGICAL PROPERTIES:

Benzylpenicillin 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*, *Leptospira*, some *Pasteurella* strains, anaerobes such as *Fusobacterium* and *Bacteroides*). By use of the procaine salt of penicillin G, a high initial penicillin blood level is achieved. The more slowly absorbed benzathine salt provides a prolonged therapeutical blood level for 72 hours.

DHS 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.

## INDICATIONS:

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.

## DOSAGE AND ADMINISTRATION:

Shake before use. By intramuscular or subcutaneous administration.

- Dosage:
- Cattle: 5 - 10 ml of Penstrep 20/20 LA per 100 kg b.w.
  - Horses, pigs, goats, sheep: 5 ml of Penstrep 20/20 LA per 50 kg b.w.
  - Dogs, cats: 0.5 ml of Penstrep 20/20 LA per 5 kg b.w.

If necessary, treatment should be repeated after 3 days.

## SIDE EFFECTS, CONTRA-INDICATIONS, WARNINGS:

Allergic reactions may occur in animals hypersensitive towards penicillins, cephalosporins and aminoglycosides.

Procaine seldom may cause abortion in sows and nervous reactions in pigs.

Massive doses of dihydrostreptomycin may cause neuromuscular block particularly after accidental I.V. or intraperitoneal injection. Anaesthetics and muscle relaxants potentiate these effects.

Prolonged administration of high doses may lead to deafness, vestibulotoxic (ataxia, incoordination, nystagmus) and nephrotoxic signs.

Contra-indications: known hypersensitivity, renal insufficiency.

## PACK SIZE:

100 ml, 250 ml.