

Fort-E-Pen[®]

VETERINARY USE

Sustained antibiotic action for dogs, cats, horses, cattle, pigs, sheep and goats.
Sterile suspension ready for use.

Formula

Benzathine benzylpenicillin 10 g (10,000,000 IU)
Procaine benzylpenicillin 10 g (10,000,000 IU)
Dihydrostreptomycin sulfate 16,400,000 IU
Excipients q.s. 100 mL

Indications

For the treatment of upper respiratory tract infections, bacterial pneumonia, enzootic pneumonia of calves, bronchopneumonia, tracheobronchitis, infections caused by *Erisipela*, cellulitis, abscesses and complicated wounds.

For the treatment of uterine fever in cattle, MMA syndrome (mastitis, metritis, agalactia of the sow), peritonitis, nephritis, pyelonephritis, cystitis, hepatitis, septicemia, anthrax, leptospirosis, tetanus, strangles, actinomycosis, puerperal infection, clostridiosis, post surgical infections or trauma, and diseases caused by microorganisms sensitive to the formula.

For treatment of acute or chronic systemic disease caused by germs sensitive to the association penicillin - dihydrostreptomycin.

Benzylpenicillin or penicillin G is active against: *Streptococcus spp.* and *Staphylococcus spp.* that do not produce penicillinase. It is also active against some Gram positive and Gram negative bacteria, including *Corynebacterium spp.*, *Listeria monocytogenes*, *Pasteurella multocida* and *Haemophilus influenzae*.

It is active against many Gram-positive anaerobic bacteria and Gram negative bacteria such as *Fusobacterium spp.*, *Peptococcus spp.* and *Peptoestreptococcus spp.* and also some strains of *Bacteroides spp.* and *Clostridium spp.* This drug is also active against spirochetes, including *Leptospira spp.* and *Borrelia burgdorferi*.

It is inactive against pseudomonads, most *Enterobacteria* and *Staphylococcus* that do not produce penicillinase.

The activity spectrum of dihydrostreptomycin includes many Gram negative aerobic bacteria, specially *E. coli*, *Klebsiella pneumoniae*, *P. aeruginosa*, *Proteus spp* and *Serratia*.

Although *E. coli* and some species of *Pasteurella spp*, *Salmonella spp* and *Brucella spp* are susceptible to dihydrostreptomycin, this drug has limited effectiveness against these bacteria.

Aminoglycosides are not effective against most gram-positive microorganisms, except *Staphylococcus spp.* Gram negative bacilli and some *Staphylococcus spp.* are susceptible.

Dihydrostreptomycin-containing formulations are indicated for the treatment of infections caused by *Corynebacterium pyogenes*, *Staphylococcus aureus*, *Klebsiella spp.*, *Leptospira spp.*, *Pasteurella spp.*, *E. coli*, *Listeria spp.* and *Proteus spp.*

Dosage and Administration

Shake before use.

For all species, the dose is as follows:

Benzylpenicillin (with benzathine procaine): 1 mL every 10 to 20 kg (equivalent to 20,000 to 10,000 IU/kg).

Dihydrostreptomycin (sulfate): 1 mL every 10 to 20 kg (equivalent to 16,400 to 8,600 IU/kg).

Horses, swine, sheep, goats: Intramuscular route only.

Cattle: Subcutaneously only.

Treatment is a single dose which can be repeated if necessary every 72 hours, according to the clinical condition and the criteria of the acting veterinarian.

Package

Vial containing 25 or 100 mL.