Pen-Hista-Strep

Injectable suspension

COMPOSITION

Benzylpenicillin (procaine monohydrate)	114 mg
Dihydrostreptomycin (sulphate)	250 mg
Chlorphenamine (maleate)	7 mg
Dexamethasone (acetate)	0.45 mg
Procaine (hydrochloride)	17.30 mg
Methyl parahydroxybenzoate (E218)	1.30 mg
Propyl parahydroxybenzoate (E216)	0.2 mg
Disodium edetate	0.25 mg
Sodium hydroxymethanesulfinate	3.7 mg
Excipient to	1 ml

PRESENTATIONS:

Vial of 50 ml - Vial of 100 ml - Vial of 250 ml

INDICATIONS:

For cattle, calves, goats, dogs and cats: Treatment of generalized infections in juveniles and adults, pneumonia and pleuropneumonia, postpartum infection, urinary tract infection, infected wounds (e.g. footrot), abscesses (e.g. omphalophlebitis), and post-surgical infections caused by bacteria sensitive to penicillin and dihydrostreptomycin.

DOSAGE AND ROUTE OF ADMINISTRATION

Intramuscular or Intraperitoneal administration

4.56 to 11.4 mg of benzylpenicillin and 10 to 25 mg of dihydrostreptomycin per kg of live weight and per day for 3 to 5 days, corresponding to 0.4 to 1 ml of suspension for 10 kg of live weight, as follows:

Cattle (adults):	20-50 ml
Calves:	5-10 ml
Goats:	5-10 ml
Dogs	1-5 ml
Cats	0.5-1 ml

Shake the bottle well to obtain uniform product suspension prior to use.

CONTRAINDICATIONS:

Do not administer if there is known sensitivity to penicillin, aminosides or any other substance contained in the product. Do not administer to animals in severe renal failure. Do not administer to rabbits, guinea pigs (cavies), hamsters or gerbils.

ADVERSE REACTIONS:

Dose-independent hypersensitivity reactions to penicillin and procaine can occur. Allergic reactions (skin reactions, anaphylactic shock) can occasionally occur. Local tissue reactions at the injection site can appear following administration of the product. The major risk of long-term treatment with dexamethasone lies in the onset of iatrogenic hyperadrenocorticism and even secondary iatrogenic hypoadrenocorticism upon cessation of treatment.

SPECIAL WARNINGS

Special warnings for each target species:

Do not exceed the daily dose of 250 mg of dihydrostreptomycin in an adult cat (corresponding to 1 ml of product in suspension). This product contains corticosteroids: do not administer to ruminants in the last trimester of gestation, if induced parturition is not a desired outcome. Tremors, loss of coordination, vomiting, fever and spontaneous abortions have been observed

Special precautions for use in animals:

During intramuscular injection, ensure that the product is truly being injected into the muscle to avoid accidental intravenous injection. Inappropriate use of the product can increase the prevalence of bacteria resistant to penicillin or dihydrostreptomycin. In animals suffering from kidney failure or dehydration, dosage levels must be carefully evaluated.

Special precautions to be taken by the person administering the veterinary medicinal product to animals:

Penicillin and cephalosporins can cause hypersensitivity reactions (allergy) following injection, inhalation, ingestion or contact with the skin. Hypersensitivity to penicillin can lead to cross reactions with cephalosporins and vice versa. These hypersensitivity reactions can occasionally be severe. As well, the use of local anaesthetics can cause hypersensitivity reactions. People with known sensitivity to this type of molecule must avoid all contact with the product. In the event of contact with the eyes, rinse immediately and copiously with water. In the event of symptoms following exposure (skin rash), consult a doctor, providing the package insert. Facial oedema of the lips or eyes or respiratory difficulties are serious signs that require immediate medical treatment.

Use during pregnancy or lactation:

Due to the presence of a corticosteroid in the product, its use can lead to induced parturition in the end stages of pregnancy. Studies on laboratory animals have not revealed any teratogenicity due to the active substances. Without studies on the target species, the veterinarian must evaluate the benefit/risk ratio in using the drug.

Interaction with other medicinal products and other forms of interaction:

Do not administer at the same time as bacteriostatic antimicrobials such as tetracyclins, erythromycin, or lincomycin.

Overdose:

In the event of an overdose, chlorpheniramine can cause central nervous system stimulation (excitation that can lead to convulsions), or central nervous system depression (lethargy that can lead to a coma). Anticholinergic effects (respiratory depression and death) have also been described. In the event of massive overdose, dihydrostreptomycin can cause neuromuscular blockage leading to flaccid paralysis and cardio-respiratory depression that can be reversed by intravenous calcium administration.

WITHDRAWAL PERIODS:

Meat and offal: 30 days. Milk: 6 days

SPECIAL PRECAUTIONS FOR STORAGE:

Shelf-life after first opening: 28 days.

Store at temperatures between + 2°C and + 8°C.

Keep out of the reach and sight of children

SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED VETERINARY MEDICINAL PRODUCT OR WASTE MATERIALS DERIVED FROM THE USE OF SUCH PRODUCTS:

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal products should be disposed of in accordance with local requirements

FOR ANIMAL TREATMENT ONLY

To be supplied only on veterinary prescription