Ubricina P®

REGISTRATION: Q-0209-004

Injectable suspension

Antibiotic, Procaine Penicillin G.

FORMULA

Each vial with powder contains:	
Procaine Penicillin	G 6,000,000 IU.
Each vial with solvent contains:	
Injectable water	20 mL.

PHARMACOKINETICS:

Procaine penicillin G is slowly hydrolyzed to penicillin G after intramuscular administration. Peak levels are lower than with aqueous potassium or sodium penicillin G administered parenterally, but serum concentrations are more prolonged with a half-life of 20 to 24 hours, due to slow absorption at the injection site. After absorption, penicillin G is widely distributed throughout the body, except in cerebrospinal fluid, joints, and milk. Penicillin G is mainly excreted unchanged in urine through renal mechanisms, both glomerular filtration and tubular secretion.

PHARMACODYNAMICS:

Penicillins are bactericidal agents that act against susceptible bacteria by inhibiting the synthesis of mucopeptides in the cell wall, resulting in a defective barrier and an osmotically unstable spheroplast. The mechanism of action is through binding to penicillin-binding proteins to weaken or cause lysis of the cell wall. Penicillins are generally more effective against actively growing bacteria and are considered time-dependent antibiotics, since their efficacy depends on the duration plasma (or tissue) concentrations exceed the Minimum Inhibitory Concentration (MIC) of pathogens. The spectrum of action is limited to gram-positive bacteria, anaerobic bacteria, and some highly susceptible gram-negative bacteria.

INDICATIONS FOR USE AND TARGET SPECIES:

Procaine Penicillin G indicated for the treatment of infections caused by microorganisms sensitive to the formula such as: ***Streptococcus spp., Pasteurella multocida, Erysipelothrix rhusiopathiae, Staphylococcus aureus***, in beef and dairy cattle, horses not intended for human consumption, sheep, goats, and swine.

DIRECTIONS FOR USE:

Withdraw the contents of the sterile diluent vial and pour into the powder vial, shake until a homogeneous suspension is formed, and administer. Use sterile syringes and needles for administration.

DOSAGE:

Cattle (beef and dairy), horses not intended for human consumption, sheep, goats, and swine: 1 mL per 15 kg of body weight (equivalent to 20,000 IU of procaine penicillin G/kg BW). Repeat the dose at 12–24 hour intervals for at least 4 to 6 days. Administration must be carried out under the supervision of a Veterinarian.

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ROUTE OF ADMINISTRATION:

Deep intramuscular.

WITHDRAWAL PERIOD:

Milk from treated animals must not be used for human consumption or processing until 7 days after the last treatment. Do not administer this product within 15 days prior to slaughter of animals intended for human consumption.

STORAGE CONDITIONS:

Store at room temperature, not exceeding 30°C, in a dry place protected from sunlight. Once reconstituted, keep refrigerated (2 to 8°C) for no more than 7 days. Keep out of reach of children and domestic animals.

WARNINGS:

Do not administer to animals with dehydration or metabolic acidosis. Do not administer to animals with renal dysfunction. Do not administer to animals sensitive to the ingredients of the formula. Do not inject more than 10 mL of reconstituted product at the same injection site. Prohibited for use in horses intended for human consumption. Product for exclusive use in Veterinary Medicine. Consult the Veterinarian. Sale requires a medical prescription.

For exclusive use by the Veterinarian.