# UBRICINA® PLUS 6 MILLION

Q-0209-122

## Suspension Injectable

Broad-spectrum antibacterial with anti-inflammatory, analgesic and antipyretic action.

### Formula

| Each bottle with powder contains: | |
|---|---|
| Penicillin G Benzathine sterile | 3 000 000 UI |
| Penicillin G Sterile potassium | 1 500 000 UI |
| Penicillin G Procaine sterile | 1 500 000 UI |
| Streptomycin Sulfate equivalent to streptomycin base 2.3 g | 3 g |
| **Each bottle with solvent contains:** | |
| Diclofenac sodium | 225 mg |
| Vehicle c.b.p | 15 mL |

### USE IN SPECIES

Beef and Dairy Cattle and horses.

## INDICATIONS

Broad-spectrum antibacterial with anti-inflammatory, analgesic and antipyretic action, indicated in the controls of diseases caused by Gram positive and Gram negative germs, susceptible to the formula as: Clostridium sp., Staphylococcus sp., Streptococcus sp., Corynebacterium sp., Erysipelothrix rhusiopathiae, Neumococcus sp., Listeria sp., Pasteurella sp., Klebsiella sp., Haemophilus sp., Actinobacillus sp., Salmonella sp., Campylobacter jejuni, Leptospira sp., and related diseases such as: localized and septicemic infections, diseases of the respiratory tract, diseases of the digestive system, diseases of the urinary tract, mastitis and all clostridiosis and all those that need the action of a deflation.

## CLINICAL PHARMACOLOGY

- PHARMACOKINETICS:

Potassium penicillin G is rapidly absorbed after parenteral application, generally maximum levels are reached within 20 minutes after administration, providing serum levels above 0.5 mcg/mL, procaine penicillin G reaches its maximum levels of 6 to 8 hours or more. The different tissues of the organism are widely distributed, being in high levels in the liver, bile, kidney, intestine, lung, skin, blood and semen. Penicillins cross the blood-brain barrier in small amounts if there is no inflammation. They are distributed in low concentrations in joint, pleural, pericardium and ocular fluids.
Penicillins have been shown to cross the placenta and safety in the use of these antibiotics during pregnancy has not been firmly established, but there have also been no documented cases of teratogenic problems. Penicillins are excreted rapidly and suffer few metabolic changes as they pass through the body.
Dihydrostreptomycin sulfate and streptomycin sulfate are rapidly absorbed and distributed mainly in the extracellular liquid, producing high serum levels. They have low liposolubility and spread poorly to the central nervous system and eye.
Diclofenac sodium is absorbed quickly after administration, plasma levels increase after 2 or 3 hours. 99% of what is absorbed is bound to plasma proteins. It is metabolized in the liver by the cytochrome P 450 system by CYP2G isoenzymes via glucuronides and sulphation. It is excreted in greater proportion by the kidney and on a smaller scale by bile.

- PHARMACODINAMICS:

The mechanism of action of penicillins consists in inhibiting the regenerating capacity of the bacterial cell wall by inhibiting the synthesis of the mucopéptidos that form this wall, producing as a result a cellular disintegration by changes of selective permeability of the bacteria, occurring consequently a bacterial lysis.
Streptomycins produce a direct action on ribosomes by inhibiting protein synthesis and decreasing the accuracy in the transmission of genetic codes. Above all, it avoids the polymerization of amino acids, which causes the death of bacteria. It also affects the selective capacity of the cell membrane, which causes the synergistic effect with penicillins.
Diclofenac sodium binds firmly to plasma proteins, is a good anti-inflammatory, has been used in horses with locomotion problems.
It inhibits COX, with a greater preference over COX 2 than over COX 1. It reduces the intracellular concentration of free arachidonic acid, thus interfering with the mobilization and formation of prostaglandins responsible for pain and inflammation.

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## DOSE:

Cattle and equines 1 mL per 36 Kg of body weight.
The dose can be repeated at 24-hour intervals, depending on the case and at the discretion of the Veterinarian.

## PHARMACEUTICAL FORM OF USE:

Injectable suspension

## ROUTE OF ADMINISTRATION:

Intramuscular deep.

## WARNINGS

Do not administer in animals with dehydration or metabolic acidosis, dysfunction kidney, animals sensitive to the ingredients of the formula.
Consult the Veterinarian.
Your purchase requires a medical prescription.
Keep out of reach of children

## DRUG INTERACTIONS:

Sulfonamides antagonize the effects of penicillins.
Penicillins are antagonists with chloramphenicol, erythromycin and tetracyclines.

## WITHDRAWAL TIME:

The milk of treated animals should not be used for human consumption or processing of derivatives, until after 72 hours of the last treatment.
Do not use this product 30 days before the slaughter of animals intended for human consumption.
Do not use in equines intended for human consumption.

## STORAGE CONDITIONS:

Store the product in a cool place at no more than 25 ° C, dry and protected from the light. Once reconstituted the product, keep refrigerated for no more than 7 days.

## PRESENTATIONS :

Bottle with powder of 6 million and bottle with 15 mL of solvent.