

CALPHO-P

Injection

For Veterinary Use Only

COMPOSITION:

Each ml contains:

Calcium Gluconate..... 266mg

Boric Acid..... 54mg

INDICATIONS:

Calpho P Injection is indicated for the treatment of hypocalcemia and milk fever in cattle and dairy animals.

Pharmacology

Calcium gluconate is a source of calcium, which is essential for various physiological processes in the body, including muscle contraction, blood coagulation, and the transmission of nerve impulses. It is used to treat or prevent calcium deficiencies, such as in hypocalcemia, and is commonly administered for conditions like tetany, hypocalcemic seizures, or to counteract the toxic effects of magnesium overdose. When calcium gluconate is administered, it dissociates into calcium ions, which are absorbed into the bloodstream and utilized by tissues and organs that require calcium for proper function. Calcium gluconate has a slower onset of action compared to other forms of calcium, but its effects are prolonged, making it suitable for clinical management of calcium imbalances. **Boric acid** is a weak acid with antiseptic, antifungal, and antimicrobial properties. It is often used in various topical treatments for conditions such as eye infections, skin irritations, and fungal infections, particularly in the case of yeast or fungal overgrowth. When applied topically or used in ocular formulations, boric acid acts by disrupting the cell membrane integrity of microorganisms, ultimately leading to their destruction. It also has astringent and soothing effects, which can help in treating conditions like conjunctivitis or skin irritation. Boric acid's systemic absorption is minimal, and it is generally considered safe when used in the appropriate concentrations. However, in higher doses, boric acid can be toxic, particularly if ingested or absorbed through broken skin. Together, calcium gluconate and boric acid may be formulated for various uses, but they generally function independently in the body—calcium gluconate addressing calcium deficiencies, and boric acid providing its antimicrobial

effects in local treatments.

DOSAGE & ADMINISTRATION:

Administer the following dose by subcutaneous or slow intravenous injection only.

Cattle / Horse: 200-300ml

Sheep / Goat: 30-60ml

Additional repeat treatments can be given at 24 hours interval.

PRECAUTIONS:

The solution should be warmed to body temperature before administration.

Intravenous administration must be carried out very slowly over a period of 30 minutes.

Heart rate and respiration must be continuously monitored.

In case of cardiac arrhythmia, fall in blood pressure and agitation, infusion must be stopped immediately.

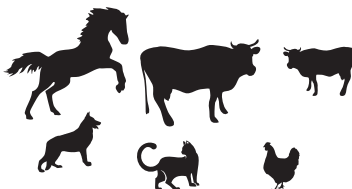
Do not inject Calpho-P along with other medicinal products like penicillin, glucocorticoids, steroids, menbutone, sodium phosphate, promethazine HCl, sodium bicarbonate, streptomycin, tetracycline and sulpha salts.

Consult the veterinarian before use.

Keep out of the reach of children.

Store between 15- 25 degree centigrade in a cool and dry place.

BP Vet Specs.



 **Selmore**
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