

121x248mm

SELPHOS

INJECTION

For Veterinary Use Only

COMPOSITION:

Each ml contains

Sodium Selenite.....0.5mg
Vitamin E.....70mg
Vitamin B12.....0.1mg
Vitamin B1.....20mg

Adenosine-5-Monophosp ate.....5mg

Selphos Injection containing Sodium Selenite and Vitamins is indicated in the prevention and treatment of disorders involving the muscular dystrophy of calves, lambs and horses. It is effective in all conditions in which the muscular or neuromuscular apparatus is either diseased or subject to over work. It is also an effective combination to stimulate the general metabolism of treated animals, and in preventing growth retardation and arrest. It can be recommended in conditions such as placental retention, bovine and ovine reproductive inefficiency, myasthenia, myositis, neuritis and muscle fatigue. It combines the action of selenium with supporting actions of vitamin B12 and B1 (useful for the deficiency or when greater demands as made on the animals). It therefore also exploits the tissue trophic and protein synthesis actions of vitamins leading to recovery of productive performance Sodium Selenite inhibits the enzymes containing SH-Groups and can therefore inhibits ATP synthesis. It contains Adenosine-5-Monophosphate (ATP precursor) and therefore constitutes an exogenous source of supplementary energy and exerts, myotrophic activity. The product can also be used at higher dosages without selenium overdose effects.

Selphos Injection is a combination of drugs that act effectively on the muscle tissue, as particularized herewith, Sodium Selenite & Vitamin E It is well known that selenium has a definite preventive and curative action in muscular dystrophies. This element is also involved in essential biological function, as demonstrated in various animals species, in association with vitamin E. Vitamin E given alone, cannot prevent or cure the disorders formerly attributed exclusively to its deficiency. Experimental researches have shown that the presence of an inorganic selenium salt it absolutely essential in the diet, to prevent disruption of fundamental metabolic processes. The synergistic action of selenium and vitamin E is thought to be of a catalytic nature, and to involve alternative metabolic patterns. Adenosine-5-Monophosphate is nutrient, energetic and enzymatic constituent of muscle tissue, whose principal function is to regulate the metabolism of phosphorus, as suggested by abnormalities of phosphorylated substance observed in diseased muscle tissue. It is involved in the metabolism of carbohydrates by way of regulating the phosphorylation of sugars. Therefore, the substance is essential in the production of energy for the contraction of muscle, and for the nutrition of the myocardium.

Vitamin B12 and B1 are two vitamins that exert a trophic and protective action on nerve tissue and therefore degrade and potentiate the

complex action of other substances in the normalization of the neuromuscular function considered as a whole. The absorption of Vitamin B12 is facilitated by sorbitol, also included in the formulation. Vitamin B12 offers the added advantage of stimulating the growth process in young animals.

DOSAGE & ADMINISTRATION:

Administer the following dose by SC, IM or IV (Slow).

Administer the following dose for 5 consecutive days.

Cattle/Camels/Horses: 20ml per 200-500Kg bodyweight

Lambs: 1ml per 20Kg bodyweight.

Ewes: 2.5ml per 45Kg bodyweight.

Calves: 2.5 - 3.75ml per 45Kg bodyweight.

For treatment, administer the recommended dose for 5 consecutive days.

For prevention, administer the recommended dose once a week for 5 consecutive weeks starting permanent at the 10" day of life of animal.

ADMINISTRATION:

Selphos Injection can be administered by the Intramuscular, Subcutaneous or slow Intravenous route.

PRECAUTIONS:

Shake well before use.

Do not exceed recommended dosage schedule.

Store between 15-25°C in a cool and dry place.

Protect from moisture & light.

Keep out of the reach of children.

Consult the veterinarian before use.

WITHDRAWAL TIME: Nil.

Innovator's Specs.



Manufactured by:
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