

B-CALM – Injectable Vitamin B₁

Description:

B-Calm is a sterile injection containing 110mg/ml Thiamine Disulphide nitrate.

B-calm is more stable than conventional Vitamin B₁, this feature being important as thiamine solutions tend to be least stable of all the B complex vitamins. Thiamine functions in metabolism by acting as an enzyme, which helps break down carbohydrates into a usable form (sugars). B₁ is found in green leafy plants, well cured hay and whole cereal grains.

Indications/Action:

For use in the prevention and treatment of Vitamin B₁ deficiency including the nourishment of the nervous system in anxious and excitable horses. Thiamine is not normally deficient in horses, however, eating bracken fern destroys this vitamin and can cause deficiency signs. Deficiency signs may include weight loss, diarrhoea, weakness and muscular coordination. B₁ is essential for the complete oxidation of glucose through the citric acid cycle. Vitamin B₁ deficiency is one of the most common of vitamin B deficiencies, particularly comprising heart and brain tissues. Deficiency signs are characterized mainly by nervous signs in the animal. It may also result in fatigue, loss of appetite, gastro-intestinal disturbances, tachycardia, irritability and accumulation of lactic acid in tissues. Requirement of this vitamin increases during periods of

active growth, heavy muscular work, lactation and pregnancy in animals on a high carbohydrate diet.

Precautions:

If a severe B₁ deficiency is not corrected, animals may go into convulsions and could eventually die of cardiac failure. This is especially common in cats fed on tinned food.

Dosage:

Horses and Cattle: 0.5 to 1ml/100kg bodyweight, S.C. or I.M.

Dogs and Cats: 0.25 to 0.5ml, S.C. or I.M.

Repeat as indicated.

Storage:

Protect from light. Store below 20°C.

Pack:

50ml glass vial.

Registered pursuant to the ACVM Act 1997,
No A3013

RESTRICTED VETERINARY MEDICINE

B-Calm

For Animal Treatment Only

