

MULTIVITAMIN INJECTION

FOR THE PREVENTION AND TREATMENT OF VITAMIN DEFICIENCIES.

COMPOSITION :

An injectable solution containing per ml

Vit. A	2000 I.U.
Vit. D ₃	2000 I.U.
Vit E. acetate	4 mg.
Nicotinamide	10 mg.
Thiamine HCL	10 mg.
Pyridoxine HCL	5 mg.
Riboflavine	1 mg.
D-Panthenol	1 mg.
Vit. B ₁₂	10 mg.
D-Biotin	10 mg.
Calcium glycerophosphate	10 mg.
Phenol (as preservative)	0.5% w/v

(Appropriate averages of Vitamins are added to compensate loss on storage)

PHARMACOLOGY

Vitamins are organic substances required by the body in small amounts for various metabolic processes. Most are not synthesised in the body, or are synthesised in small or insufficient quantities. Vitamin deficiency may result from an inadequate diet, due to increased requirements such as during pregnancy, or may be induced by disease or drugs. Signs of deficiency in animals of some of the vitamins include:

Vitamin A - Poor growth, unsteady gait, birth of abnormal pigs, hyperkeratinization of skin, xerophthalmia, low liver vitamin A, elevated cerebrospinal fluid pressure, low plasma vitamin A.

Vitamin D₃ - Poor growth, leg weakness, Ricketts, low plasma Ca and P, elevated plasma alkaline phosphatase.

Vitamin E acetate - Sudden death, paleness liver necrosis, mulberry heart, pale musculature, oedema, jaundice.

Thiamine HCL - Poor growth, loss of appetite, sudden death. Enlarged flabby heart, abnormal electrocardiogram, elevated blood pyruvate.

Pyridoxine HCL - Poor growth, epileptic convulsions, low blood hemoglobin, high plasma iron, high urinary xanthurenic acid.

Vitamin B₁₂ - Poor growth, irritable, birth of weak pigs, low serum B₁₂, low lymphocyte count, enlarged liver.

INDICATION

MULTIVITAMIN Injection is indicated in the prevention and treatment of Vitamin deficiencies in horses, cattle, sheep and goats, particularly during periods of illness, convalescence and general unthriftiness.

DOSAGE AND ADMINISTRATION

By intramuscular or Subcutaneous injection.

Clean the area of the injection site and swab with spirit.

Ensure that all injection equipment is thoroughly clean and sterilised before use.

Large Animals: 2 ml per 50 kg

Small Animals: 1 ml per 10 kg

The period of time between the withdrawal of the first and last dose from the container should not be unduly prolonged.

CONTRA-INDICATIONS AND WARNINGS

Withdrawal period for milk: Nil

Withdrawal period for meat: Nil

PRESENTATION

In 50ml or 100ml glass bottle.

VALIDITY

3 years.

STORAGE

Store in a cool and dry place below 30°C. Protect from light

Manufacturer.

Chongqing Fangtong Animal Pharmaceutical Co. Ltd.
Chongqing, China

Under licence from:

BIMEDA,
Broomhill Road, Tallaght,
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Distributed by:

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FOR VETERINARY USE ONLY

KEEP OUT OF REACH OF CHILDREN



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