

Only for Veterinary Use

ANOREXB[®]

Solution for Injection

Veterinary Vitamin

COMPOSITION

It is a clear, colorless – light yellow solution for injection which contains 100 mg B₁ and 10 mg Vitamin B₆ per ml.

PHARMACOLOGICAL PROPERTIES

Anorex-B Solution for Injection is the combination of thiamine (Vitamin B1) and pyridoxine (Vitamin B6) which are members of Group B vitamins. Thiamine (Vitamin B1) is phosphatized by ATP in human and animal body and converted into thiamine diphosphate. Thiamine diphosphate is an important co-enzyme which plays role in intermediate metabolism of carbohydrates in the body. Thiamine joins in the form of pyrophosphoric acid ester to carbohydrate metabolism and it acts as catalyzer and ensures the occurrence of active acetic acid. Active acetic acid eliminates deposition of pyruvic and lactic acid in tissues and thus, it plays a significant role in production of acetylcholine which is involved in conduction of nervous stimulations. Accordingly, it is observed that carbohydrate and lipid metabolisms and nervous functions of the organism are regulated and growth accelerates within short time following administration of Vitamin B1. It is rapidly absorbed and distributed to many body tissues if it is administered via intramuscular route. Absorption of thiamine largely occurs in duodenum and superior section of small intestines. The portion required by the body is stored and remaining part is excreted in the form degraded metabolites via urine.

Pyridoxine (Vitamin B6) is a pyridine derivative which is hydroxylated and contains two methyl alcohol groups. It acts as co-enzyme in enzyme reactions related with catabolism and anabolism of amino acids. With this regards, it establishes an important link between amino acid metabolism and carbohydrate, fatty acids and energy metabolisms. Moreover, it is also required for configuring hemoglobin. Pyridoxine is easily absorbed and distributed to whole body following parenteral administration. Following absorption, it is metabolized into pyridoxale phosphate and pyridoxamine phosphate. It is primarily metabolized in the liver. It is oxidized to 4-pyridoxic acid and other inactive metabolites and it is excreted via urine. Similar to all other Group B vitamins, synthesis of Vitamin B1 and B6 decelerates or stops in any and all food indigestions and gastrointestinal infections such as distortion of rumen microflora, rumen acidosis and alkalosis.

AREA OF USE/INDICATIONS

Anorex-B is used for below mentioned conditions;

- Vitamin B1 and B6 deficiencies,
- Treatment and supportive therapy of following conditions resulting from Vitamin B1 and B6 deficiencies: hypersensitivity, photosensitivity, loss of appetite, growth retardation or discontinued

growth, dry dermatitis with scurf, hair loss, lens disorders, corneal vascularization and cataract, gait disorders, ataxia, epileptic spasms, paresis, overall malaise, myelin loss in peripheral nerves, microcytic and hypochromic anemia, vomiting, difficulty in swallowing, diarrheic conditions resulting from resorption disorders and diseases of gastrointestinal mucosa, diseases leading to polyencephalomalacia, rumen acidosis and alkalosis, gastrointestinal disorders and infections,
- Intoxications resulting with plants containing the enzyme thiaminase such as fern

AMOUNTS TO BE ADMINISTERED AND ADMINISTRATION ROUTE

VitaB1&6: it is administered to all animals via intravenous, intramuscular and subcutaneous routes. Unless otherwise advised by veterinary surgeon, the daily practical dose is as follows:

Horse, Cattle: 10 - 20 ml.

Sheep, Goat: 3 - 5 ml.

Calf, Heifer: 5 – 10 ml

Lamb, Capricorn: 1-2 ml.

Kid, Colt: 3- 5 ml

Dog, Cat: 1.5-2 ml

It is administered at above mentioned doses until clinical symptoms disappear.

SPECIFIC CLINICAL INFORMATION AND WARNINGS FOR TARGET SPECIES

Doses exceeding 500 mg of active ingredient should be slowly and carefully administered since anaphylactic reactions may developed against parenteral thiamine. It was reported that anaphylactic shocks are more common with intravenous administrations. Treatment with adrenalin should be employed in case of anaphylactic shock.

ADVERSE / SIDE EFFECTS

Anaphylactic reactions (cough, difficulty in swallowing, pruritus, facial swelling and breath shortness) can be seen. For intramuscular and subcutaneous administrations, mild irritation can be observed in injection site.

DRUG INTERACTIONS

Synthetic compounds such as pyriethamine and oxythiamine and amprolium are thiamine antagonists. Amprolium inhibits intestinal absorption of thiamine and in addition, it block phosphorylation of the vitamin. Isonicotinic acid hydrazide (isoniaside) is Vitamin B6 antagonist.

SYMPTOMS, PRECAUTIONS AND ANTIDOTE IN OVERDOSE

When it is intravenously administered at very high doses, following conditions were reported: vasodilatation, decrease in blood pressure, bradycardia, irregular respiration or respiratory depression.

WARNINGS FOR THE DRUG RESIDUES IN NUTRIENTS

Withholding period (WHP): It is “0” day for meat and milk.

CONTRAINDICATIONS

It is not recommended to use in animals with known thiamine hypersensitivity.

GENERAL WARNINGS

Please refer to the veterinary surgeon before use and in case of an unexpected effect. Keep out of reach of the children.

STORAGE CONDITIONS AND SHELF LIFE

It should be stored in cold and dry place and protected against light and heat. Shelf life is 2 years from the date of production.

FORM OF COMMERCIAL SUPPLY

Anorex-B is commercially available in 20, 50 and 100 ml amber glass vials packed into cardboard boxes as well as 250 ml amber glass vials packed into plastic box.

SALE PLACE AND CONDITIONS

It is sold in the veterinary offices and the pharmacies with prescription written by veterinary surgeon (VP).

PACKAGE INSERT VALIDATION DATE: 16.03.2010

DATE AND NUMBER OF LICENSE AWARDED BY THE MINISTRY OF AGRICULTURE AND RURAL AFFAIRS: 16.03.2010–22/053

LICENSE HOLDER:

Alke Saęlık Ürünleri San. ve Tic. A.Ş

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