

# VITAMIN B1

## 100 MG/ML SOLUTION FOR INJECTION

Thiamine Hydrochloride 100mg / ml

# DATA SHEET



### INDICATIONS FOR USE

For the treatment of cerebrocortical necrosis in cattle and sheep and as an adjunct in metabolic disorders of cattle.

### BENEFITS

- Treats cerebrocortical necrosis in cattle and sheep and as an adjunct in metabolic disorders in cattle
- Can be administered by IM or slow IV
- Nil withdrawals



LIST No	UNIT PACKAGE	CASE SIZE
1VIT001	50ml	12

See reverse side for Full Indications, Administration and Dosage.



# VITAMIN B1

## 100 mg/ml Solution for Injection



Thiamine Hydrochloride 100mg / ml

### ACTIVE SUBSTANCE

Thiamine Hydrochloride 100 mg/ml  
Solution for injection. A clear colourless to greenish-yellow solution.

### TARGET SPECIES

Cattle and Sheep.

### INDICATIONS FOR USE

For the treatment of cerebrocortical necrosis in cattle and sheep and as an adjunct in metabolic disorders of cattle.

### AMOUNTS TO BE ADMINISTERED AND ADMINISTRATION ROUTE

By intramuscular or slow intravenous injection.  
Dosage: 2.5 – 5 ml per 50 kg bodyweight. Repeat every 3 hours for up to a total of 5 doses.

### WITHDRAWAL PERIODS

Meat: Nil. Animals may be slaughtered for human consumption following treatment.

Milk: Nil. Milk may be taken from treated animals during treatment.

### CONTRAINDICATIONS

None.

### SPECIAL WARNINGS FOR EACH TARGET SPECIES

None.

### SPECIAL PRECAUTIONS FOR USE IN ANIMALS

Intravenous injections should be given slowly. Observe aseptic techniques.

### SPECIAL PRECAUTIONS TO BE TAKEN BY THE PERSON ADMINISTERING THE VETERINARY MEDICINAL PRODUCT TO ANIMALS

None.

### ADVERSE REACTIONS

Adverse effects are not anticipated following administration of thiamine.

### USE DURING PREGNANCY OR LACTATION

It is not anticipated that the use of Vitamin B1 Injection will lead to any undesirable effects during pregnancy and/or lactation.

### INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTIONS

None known.

### OVERDOSE

Thiamine is very soluble in water and excess is excreted in the urine as a pyrimidine or as unchanged material. Tolerance studies have been carried out at twice the maximum recommended dose and the product was well tolerated.

### PHARMACOLOGICAL PROPERTIES

Vitamin B1, also known as thiamine and as aneurine, is a water-soluble vitamin. Aneurine is converted in the body to aneurine pyrophosphate (cocarboxylate) which acts as a coenzyme for several decarboxylating enzyme systems, the most important of which is decarboxylase. The enzyme is necessary for the decarboxylation of pyruvic acid, an intermediate stage in carbohydrate build-up or breakdown. When carbohydrates are a major source of energy the body requirements for aneurine increase. Tissues dependent on glucose or lactate-pyruvate for energy such as the brain and heart are particularly compromised in thiamine deficiency. Thiamine deficiency may be primary, due to deficiency in the diet, or secondary, because of destruction of the vitamin in the diet by thiaminase. The principal cause of thiamine deficiency is the presence of thiamine destroying agents which are widely distributed in nature.

### MAJOR INCOMPATIBILITIES

None known.

### SHELF-LIFE

Shelf-life of the veterinary medicinal product as packaged for sale: 3 years.

Shelf-life after first opening the immediate packaging: 28 days following first broaching.

### SPECIAL PRECAUTIONS FOR STORAGE

Do not store above 25°C. Protect from light.

### SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED VETERINARY MEDICINAL PRODUCTS

Unused product or waste material should be disposed of in accordance with current practice for pharmaceutical waste under national waste disposal regulations.

### MARKETING AUTHORISATION HOLDER

**Bimeda Animal Health Limited**  
2, 3 & 4 Airton Close, Airton Road  
Tallaght, Dublin 24  
Ireland

### MARKETING AUTHORISATION NUMBER

**VPA22033/047/001**

### LEGAL CATEGORY

**POM**

TAKE TIME



OBSERVE LABEL  
DIRECTIONS

[www.bimeda.ie](http://www.bimeda.ie)

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