

VITAMIN B1

10% w/v Solution for injection

Thiamine Hydrochloride 100mg/ml

DATA SHEET



INDICATIONS

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

BENEFITS

- Is the only specialised thiamine product currently on the UK market
- Intramuscular and intravenous routes for administration
- Zero milk and meat withdrawal



LIST No	UNIT PACKAGE	CASE SIZE
1VIT003	50ml	12

See reverse side for full indications, administration and dosage.



VITAMIN B1

10% w/v Solution for injection



Thiamine Hydrochloride 100mg/ml

PRESENTATION

A clear, colourless to greenish-yellow solution for injection containing 10% w/v (100mg/ml) Thiamine Hydrochloride

TARGET SPECIES

Cattle and Sheep

INDICATIONS FOR USE

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

CONTRAINDICATIONS

Do not use in cases of known hypersensitivity to the active ingredient.

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 PRODUCT

Care should be taken to avoid accidental self-injection. In the event of accidental self-injection, consult medical advice immediately and show the doctor this label. Wash hands after use.

ADVERSE REACTIONS

Adverse effects are not anticipated following administration of thiamine.

USE DURING PREGNANCY AND 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 INCOMPATIBILITIES

None Known.

AMOUNTS TO BE ADMINISTERED AND ADMINISTRATION ROUTE

By intramuscular or slow intravenous injections.

Dosage: 2.5 - 5ml per 50 kg bodyweight. Repeat every 3 hours for up to a total of 5 doses.

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.

WITHDRAWAL PERIODS

Meat-Zero days
Milk-Zero hours

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 of aneurine increase. Deficiencies affect the nervous and gastrointestinal systems and skin.

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, and produced by rumen microflora. Growing sheep are particularly susceptible, and outbreaks of cerebrocortical necrosis have been associated with sulphur in the diet.

EXCIPIENTS

Benzyl Alcohol, Sodium Hydroxide, Disodium Edetate, Water for Injection.

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.

STORAGE

Do not store above 25°C.

Protect from light.

Once broached, use vial within 28 days. Discard unused material.

DISPOSAL

Any unused product or waste material should be disposed of in accordance with national requirements.

LEGAL CATEGORY

POM-V

MARKETING AUTHORISATION NUMBER

Vm 50146/4029

MARKETED IN THE UK BY

Bimeda UK

Unit 2, Bryn Cefni Industrial Park

Llangefni, Anglesey,

Wales, LL77 7XA

01248 725400

Use Medicines Responsibly.

Noah.co.uk/responsible

TAKE TIME



OBSERVE LABEL
DIRECTIONS

Bimeda data sheet created: November 2021

Global Excellence in Animal Health

www.bimeda.co.uk

 **Bimeda**[®]