

# VITAMIN B1 INJECTION

VITAMIN B1 SUPPLEMENT

OTC

## Supplement of essential Vitamin B1 (Thiamine)



### COMPOSITION

Thiamine hydrochloride 125 mg/mL

### ACTIONS

Vitamin B1 injection provides the essential vitamin Thiamine.

#### How Does It Work?

Thiamine (Vitamin B1) plays an important role in the metabolism of carbohydrates, and energy production for all cells. Thiamine is most important in the breakdown of pyruvic acid, a waste product in hard working muscles, along with lactic acid. In any situation where carbohydrates are the major energy source, or when glucose is added to the diet, thiamine requirement is increased significantly.

Thiamine is essential as part of the coenzyme which is involved in the breakdown of glucose for energy.

Thiamine, in conjunction with Vitamin B6 (Pyridoxine) is essential in the metabolism of proteins and amino acids.

Like all B Complex vitamins, Thiamine is water soluble, so it is rapidly absorbed and excreted from the body, and requires regular supplementation, especially in hard working animals when dietary input may be low.

High doses of Thiamine are reported to help calm nervous or over excitable horses.<sup>1</sup>

### INDICATIONS

Vitamin B1 supplement for horses and dogs.

### DOSAGE AND ADMINISTRATION

*Horses:* Give 5 - 10 mL by intramuscular injection regularly twice weekly, or as advised by a veterinary surgeon.

*Dogs:* Give 1 - 2 mL by intramuscular injection regularly twice weekly, or as advised by a veterinary surgeon.

### WARNINGS

Meat Withholding Period (Horses): Nil

### PRESENTATION

100 mL sterile glass multi-dose vial.

### STORAGE

Store below 25°C (Air Conditioning). Protect from light.

### AVAILABILITY

For General Sale (APVMA 49860).

### NOTES

If used in performance animals, the regulations of the relevant authorities regarding medication should be observed

### HANDY HINT

Vitamin B1 is best known for its ability to calm nervous or over excitable animals when appropriately supplemented.

### REFERENCES

1. Mackay A. 1961. *N.Z. Vet J* 9:129.