

# **KOAGULON<sup>™</sup> Vitamin K1 syrup**

FOR USE AS AN ADJUNCT TO THE TREATMENT OF COAGULOPATHIES ASSOCIATED WITH COUMARIN, WARFARIN AND INDANEDIONE POISONING IN DOGS AND CATS.

## PRESENTATION: 100 mL syrup.

**ACTIVE CONSTITUENTS**: Each mL contains: Phytomenadione 10 mg.

## **PROPERTIES:**

**KOAGULON<sup>™</sup> vitamin K1 syrup** contains phytomenadione (Vitamin K1), which is essential for the hepatic biosynthesis of coagulation proteins, Factors II, VII, IX and X. A transient metabolite of vitamin K is thought responsible for activation of clotting factors, following which the metabolite is converted to vitamin K epoxide. The cycle is completed by the enzyme vitamin K reductase.

Anticoagulant rodenticides compete with vitamin K epoxide for the receptor site on vitamin K reductase, preventing vitamin K regeneration. Depletion of available vitamin K soon occurs and insufficient metabolite is available for activation of clotting factors. Normal coagulation processes are then inhibited by the lack of clotting factors.

Phytomenadione is more effective than menadione (vitamin K3) in the treatment of anticoagulant rodenticide toxicosis.

## **DOSAGE AND ADMINISTRATION:**

**Dogs and Cats:** Initiate treatment promptly using KOAGULON<sup>TM</sup> VITAMIN K1 INJECTION; continue maintenance therapy with KOAGULON<sup>TM</sup> VITAMIN K1 SYRUP in dogs and cats. 1 pump = 1 mL

Administer 1 to 5 mg/kg bodyweight (1 to 5 mL/10 kg) daily at feeding time or as directed by the veterinarian.

High doses and long-term therapy may be required for second generation coumarin-type rodenticides (e.g. Brodifacoum and bromadioline) and indanediones (e.g. Diphacinone).

This product is contraindicated in pregnant animals. This product should not be used if separation has occurred, or oil droplet have appeared. Vitamin K administration is not effective in cases of heparin overdosage. Shake before use.

By law the user must take due care, obtaining expert advice when necessary, to avoid unnecessary pain and distress when using this product other than as directed on the label.

**MEAT WITHHOLDING PERIOD:** Nil. To be used in dogs and cats only.

#### **POISONS SCHEDULE: Nil**

**REGULATORY STATUS:** Australia: APVMA No: 37750, New Zealand: ACVM No. A010506.

PACK SIZE: 100 mL

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