

## 1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Vivitonin 50 mg film-coated tablets for dogs

## 2. QUALITATIVE AND QUANTITATIVE COMPOSITION

### Active substance:

Propentofylline 50 mg

### Excipients:

Qualitative composition of excipients and other constituents
<b>Tablet core:</b>
Lactose monohydrate
Maize starch
Crospovidone
Talc
Silica colloidal anhydrous
Magnesium stearate
<b>Film coat:</b>
Hypromellose
Macrogol 8000
Talc
Titanium dioxide (E171)
Iron oxide yellow (E172)

Orange yellow round tablets, quarter scored on one side, with 'K50' debossed on the other side of the tablets.

## 3. CLINICAL INFORMATION

### 3.1 Target species

Dogs.

### 3.2 Indications for use for each target species

For the improvement of peripheral and cerebral vascular blood circulation in dogs.

### 3.3 Contraindications

None.

### 3.4 Special warnings

None.

### 3.5 Special precautions for use

#### Special precautions for safe use in the target species:

In the case of specific diseases (e.g. kidney disease), appropriate treatment should be administered. Consideration should be given to rationalising the medication of dogs already receiving treatment for congestive heart disease or bronchial disease.

Special precautions to be taken by the person administering the veterinary medicinal product to animals:

Not applicable.

Special precautions for the protection of the environment:

Not applicable.

### 3.6 Adverse events

Rare (1 to 10 animals / 10,000 animals treated):	Tachycardia <sup>1</sup> ; Collapse <sup>2</sup> ; Allergic reaction (e.g. Urticaria) <sup>3</sup> ; Vomiting <sup>4</sup>
---	---

<sup>1</sup> Symptom of cardiac over-stimulation. In such cases, animals should be treated symptomatically.

<sup>2</sup> Symptom of cerebral over-stimulation. In such cases, animals should be treated symptomatically.

<sup>3</sup> Necessitate discontinuation of treatment.

<sup>4</sup> Particularly at the commencement of therapy.

Reporting adverse events is important. It allows continuous safety monitoring of a veterinary medicinal product. Reports should be sent, preferably via a veterinarian, to either the marketing authorisation holder or the national competent authority via the national reporting system. See the package leaflet for respective contact details.

### 3.7 Use during pregnancy, lactation or lay

Pregnancy and lactation:

The safety of the veterinary medicinal product has not been established during pregnancy and lactation. Use only according to the benefit-risk assessment by the responsible veterinarian.

### 3.8 Interaction with other medicinal products and other forms of interaction

None known.

### 3.9 Administration routes and dosage

For oral use only.

Dose: 6 – 10 mg propentofylline/kg body weight, divided into two daily doses as follows:

Body weight (kg)	Tablets (am)	Tablets (pm)	Daily total tablets	Daily total dose (mg/kg)
< 5 kg	1/4	1/4	1/2	6.3 – 10.0
5 – 8 kg	1/2	1/2	1	6.3 – 10.0
9 – 15 kg	1	1	2	6.7 – 11.1
16 – 25 kg	1 1/2	1 1/2	3	6.0 – 9.4
26 – 33 kg	2	2	4	6.1 – 7.7
34 – 50 kg	3	3	6	6.0 – 8.8

The tablet(s) can be administered directly onto the back of the dog's tongue or can be mixed in a small amount of food.

### **3.10 Symptoms of overdose (and where applicable, emergency procedures and antidotes)**

No effects other than those described in section 3.6.

In cases of overdose, animals should be treated symptomatically.

### **3.11 Special restrictions for use and special conditions for use, including restrictions on the use of antimicrobial and antiparasitic veterinary medicinal products in order to limit the risk of development of resistance**

Not applicable.

### **3.12 Withdrawal periods**

Not applicable.

## **4. PHARMACOLOGICAL INFORMATION**

### **4.1 ATCvet code: QC04AD90**

### **4.2 Pharmacodynamics**

Propentofylline belongs to the group of xanthine derivatives. In investigations in various animal species it could be demonstrated that propentofylline increases the blood flow to the brain, the heart and skeletal muscle. It inhibits platelet aggregation and improves the flow properties of erythrocytes.

### **4.3 Pharmacokinetics**

After oral application propentofylline is quickly and completely absorbed and quickly distributed in the tissues. Given orally to dogs maximum plasma levels are reached within 15 minutes.

The half-life is about 30 minutes and the bioavailability of the parent substance amounts to about 30 %. There are a number of effective metabolites and the biotransformation takes place mainly in the liver. 80 – 90 % of an administered dose is excreted as propentofylline metabolites via the kidneys. The rest is eliminated with the faeces. There is no accumulation.

## **5. PHARMACEUTICAL PARTICULARS**

### **5.1 Major incompatibilities**

Not applicable.

### **5.2 Shelf life**

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

### **5.3 Special precautions for storage**

Do not store above 25 °C. Store in a dry place.

### **5.4 Nature and composition of immediate packaging**

Blister package: PVC 250µm/Aluminium foil 20µm.  
Cardboard box with 2 blister strips of 30 tablets.  
Not all pack sizes may be marketed.

#### **5.5 Special precautions for the disposal of unused veterinary medicinal products or waste materials derived from the use of such products**

Medicines should not be disposed of via wastewater or household waste.

Use take-back schemes for the disposal of any unused veterinary medicinal product or waste materials derived thereof in accordance with local requirements and with any national collection systems applicable to the veterinary medicinal product concerned.

### **6. NAME OF THE MARKETING AUTHORISATION HOLDER**

Intervet Ireland Limited

### **7. MARKETING AUTHORISATION NUMBER(S)**

VPA 10996/127/001

### **8. DATE OF FIRST AUTHORISATION**

Date of first authorisation: 29 October 1999

### **9. DATE OF THE LAST REVISION OF THE SUMMARY OF THE PRODUCT CHARACTERISTICS**

{MM/YYYY}

### **10. CLASSIFICATION OF VETERINARY MEDICINAL PRODUCTS**

Veterinary medicinal product subject to prescription.

Detailed information on this veterinary medicinal product is available in the [Union Product Database](https://medicines.health.europa.eu/veterinary) (<https://medicines.health.europa.eu/veterinary>).

**ANNEX III**

**LABELLING AND PACKAGE LEAFLET**

## **A. LABELLING**

**PARTICULARS TO APPEAR ON THE OUTER PACKAGE****{CARTON BOX}****1. NAME OF THE VETERINARY MEDICINAL PRODUCT**

Vivitonin 50 mg film-coated tablets for dogs

**2. STATEMENT OF ACTIVE SUBSTANCES**

Propentofylline 50 mg

**3. PACKAGE SIZE**

60 tablets

**4. TARGET SPECIES**

Dogs.

**5. INDICATIONS****6. ROUTES OF ADMINISTRATION**

For oral use only.

**7. WITHDRAWAL PERIODS****8. EXPIRY DATE**

Exp. {mm/yyyy}

**9. SPECIAL STORAGE PRECAUTIONS**

Do not store above 25 °C.  
Store in a dry place.

**10. THE WORDS “READ THE PACKAGE LEAFLET BEFORE USE”**

Read the package leaflet before use.

**11. THE WORDS “FOR ANIMAL TREATMENT ONLY”**

For animal treatment only.

**12. THE WORDS “KEEP OUT OF THE SIGHT AND REACH OF CHILDREN”**

Keep out of the sight and reach of children.

**13. NAME OF THE MARKETING AUTHORISATION HOLDER**

Intervet Ireland Limited.

**14. MARKETING AUTHORISATION NUMBERS**

VPA10996/127/001

**15. BATCH NUMBER**

Lot {number}



**MINIMUM PARTICULARS TO APPEAR ON SMALL IMMEDIATE PACKAGING UNITS**

**{BLISTER}**

**1. NAME OF THE VETERINARY MEDICINAL PRODUCT**

Vivitonin

**2. QUANTITATIVE PARTICULARS OF THE ACTIVE SUBSTANCES**

Propentofylline 50 mg

**3. BATCH NUMBER**

Lot {number}

**4. EXPIRY DATE**

Exp. {mm/yyyy}

## **B. PACKAGE LEAFLET**

## PACKAGE LEAFLET

### 1. Name of the veterinary medicinal product

Vivitonin 50 mg film-coated tablets for dogs  
Vivitonin 100 mg film-coated tablets for dogs

### 2. Composition

#### Vivitonin 50 mg film-coated tablets for dogs

1 tablet contains: Active  
substance:

Propentofylline 50 mg

Vivitonin 50 mg film-coated tablets for dogs are orange yellow round tablets, quarter-scored on one side with 'K50' debossed on the other side of the tablets.

#### Vivitonin 100 mg film-coated tablets for dogs

1 tablet contains: Active  
substance:

Propentofylline 100 mg

Vivitonin 100 mg film-coated tablets for dogs are orange yellow oblong tablets, half-scored on both sides, with 'K100' debossed on one side of the tablets.

### 3. Target species

Dogs.

### 4. Indications for use

For the improvement of peripheral and cerebral vascular blood circulation in dogs.

### 5. Contraindications

None.

### 6. Special warnings

None.

#### Special precautions for safe use in the target species:

In the case of specific diseases (e.g. kidney disease), appropriate treatment should be administered. Consideration should be given to rationalising the medication of dogs already receiving treatment for congestive heart disease or bronchial disease.

#### Pregnancy and lactation:

The safety of the veterinary medicinal product has not been established during pregnancy and lactation. Use only accordingly to the benefit-risk assessment by the responsible veterinarian.

#### Overdose:

No effects other than those described in section 7.

In cases of overdose, animals should be treated symptomatically.

## 7. Adverse events

Rare (1 to 10 animals / 10,000 animals treated):	Tachycardia (Rapid heart rate) <sup>1</sup> ; Collapse <sup>2</sup> ; Allergic reaction (e.g. Urticaria (Hives)) <sup>3</sup> ; Vomiting <sup>4</sup>
---	--

<sup>1</sup> Symptom of cardiac over-stimulation. In such cases, animals should be treated symptomatically.

<sup>2</sup> Symptom of cerebral over-stimulation. In such cases, animals should be treated symptomatically.

<sup>3</sup> Necessitate discontinuation of treatment.

<sup>4</sup> Particularly at the commencement of therapy.

Reporting adverse events is important. It allows continuous safety monitoring of a product. If you notice any side effects, even those not already listed in this package leaflet, or you think that the medicine has not worked, please contact, in the first instance, your veterinarian. You can also report any adverse events to the marketing authorisation holder using the contact details at the end of this leaflet, or via your national reporting system: [www.hpra.ie](http://www.hpra.ie)

## 8. Dosage for each species, routes and method of administration

For oral use only.

Dose: 6 – 10 mg propentofylline/kg body weight, divided into two daily doses.

### Vivitonin 50 mg film-coated tablets

One tablet per 10 kg bodyweight twice a day.

Dogs <5 kg may receive a quarter tablet twice a day.

Dogs > 20 kg, Vivitonin 100 mg film-coated tablets use should be considered.

### Vivitonin 100 mg film-coated tablets

One tablet per 20 kg bodyweight twice a day.

Vivitonin 100 mg film-coated tablets may be halved but should not be quartered.

For larger dogs, more accurate dosing may be achieved using a combination of Vivitonin 100 mg and Vivitonin 50 mg film-coated tablets.

Dogs <20 kg can be given Vivitonin 50 mg film-coated tablets.

Dosing examples:

Body weight	50 mg Tablet	100 mg Tablet
< 5 kg	¼ twice daily	-
5 kg	½ twice daily	-
10 kg	1 twice daily	-
15 kg	1½ twice daily	-
20 kg	-	1 twice daily
30 kg	-	1½ twice daily
40 kg	-	2 twice daily

## 9. Advice on correct administration

The tablet(s) can be administered directly onto the back of the dog's tongue or can be mixed in a small amount of food.

## 10. Withdrawal periods

Not applicable.

#### **11. Special storage precautions**

Keep out of the sight and reach of children.  
Do not store above 25°C. Store in a dry place.

#### **12. Special precautions for disposal**

Medicines should not be disposed of via wastewater or household waste.

Use take-back schemes for the disposal of any unused veterinary medicinal product or waste materials derived thereof in accordance with local requirements and with any applicable national collection systems. These measures should help to protect the environment.

Ask your veterinary surgeon or pharmacist how to dispose of medicines no longer required.

#### **13. Classification of veterinary medicinal products**

Veterinary medicinal product subject to prescription.

#### **14. Marketing authorisation numbers and pack sizes**

Vivitonin 50 mg film-coated tablets: VPA 10996/127/001  
Vivitonin 100 mg film-coated tablets: VPA 10996/127/002

Vivitonin 50 mg film-coated tablets: Cardboard box with 2 x 30 tablets blister strips (60 tablets).  
Vivitonin 100 mg film-coated tablets: Cardboard box with 6 x 10 tablets blister strips (60 tablets).

Not all pack sizes may be marketed.

#### **15. Date on which the package leaflet was last revised**

{MM/YYYY}

Detailed information on this veterinary medicinal product is available in the [Union Product Database](https://medicines.health.europa.eu/veterinary) (<https://medicines.health.europa.eu/veterinary>).

#### **16. Contact details**

Marketing authorisation holder and contact details to report suspected adverse reactions:

Intervet Ireland Limited.  
Magna Drive  
Magna Business Park  
Citywest Road  
Dublin 24

Tel.: +353 (0)1 2970220

Manufacturer responsible for batch release:

Intervet GesmbH  
Siemensstrasse 107  
1210 Vienna  
Austria

#### **17. Other information**

Propentofylline belongs to the group of xanthine derivatives. In investigations in various animal species it could be demonstrated that propentofylline increases the blood flow to the brain, the heart and skeletal muscle. It inhibits platelet aggregation and improves the flow properties of erythrocytes.

**POM** (Prescription Only)