

## PARTICULARS TO APPEAR ON THE OUTER PACKAGE - CARTON

### 1. NAME OF THE VETERINARY MEDICINAL PRODUCT

MARBOCYL P 80 mg

### 2. STATEMENT OF ACTIVE AND OTHER SUBSTANCES

Marbofloxacin 80mg per tablet

### 3. PHARMACEUTICAL FORM

Tablet

### 4. PACKAGE SIZE

Carton contains 72 tablets

Boxes of 6 to 480 tablets (boxes containing 1 blister of 6 tablets to 80 blisters of 6 tablets).

### 5. TARGET SPECIES

Dog

### 6. INDICATION(S)

Infections caused by susceptible strains of organisms.

In dogs:

Marbocyl® P is indicated in the treatment of:

Skin and soft tissue infections (skinfold pyoderma, impetigo, folliculitis, furunculosis, cellulitis).

Urinary tract infections (UTI) associated or not with prostatitis.

Respiratory tract infections.

### 7. METHOD AND ROUTE(S) OF ADMINISTRATION

The recommended dose rate is 2mg/kg/day (1 tablet for 40 kg per day) by single daily oral administration.

To ensure a correct dosage body weight should be determined as accurately as possible to avoid underdosing.

DOGS:

In skin and soft tissue infections, treatment duration is at least 5 days. Depending on the course of the disease, it may be extended up to 40 days. In urinary tract infections, treatment duration is at least 10 days. Depending on the course of the disease, it may be extended up to 28 days. In respiratory infections, treatment

duration is at least 7 days and, depending on the course of the disease, it may be extended up to 21 days.

## 8. WITHDRAWAL

## 9. SPECIAL WARNING(S), IF NECESSARY

Operator Warnings See package leaflet

### Contra-indications and warnings

Marbofloxacin should not be used in dogs aged less than 12 months, or less than 18 months for exceptionally large breeds of dogs, such as Great Danes, Briards, Bernese Bouviers and Mastiffs, with a longer growth period.

Do not use in cases of hypersensitivity to fluoroquinolones or any of the excipients of the product.

Do not use in cases of resistance against quinolones since (almost) complete cross-resistance exists against other fluoroquinolones.

Not suitable for infections resulting from strict anaerobes, yeast or fungi.

Do not use in cats. For the treatment of this species, a 5mg tablet is available.

### Adverse reactions (frequency and seriousness)

At the therapeutic recommended dosage, no severe side-effects are to be expected in dogs.

In particular, no lesions of the articular joints were encountered in clinical studies at the recommended dose rate.

However, joint pain and/or neurological symptoms (ataxia, aggression, convulsion, depression) may occur on rare occasions.

Allergic reactions have been observed (temporary skin reactions) due to histamine release that may occur.

Mild side effects such as vomiting, softening of faeces, modification of thirst or transient increase in activity may occasionally occur. These signs cease spontaneously after treatment and do not necessitate cessation of treatment.

The frequency of adverse reactions is defined using the following convention:  
- rare (more than 1 but less than 10 animals in 10,000 animals treated)

### Special precautions for use in animals

The fluoroquinolones have been shown to induce erosion of articular cartilage in

juvenile dogs and care should be taken to dose accurately especially in young animals.

The fluoroquinolones are also known for their potential neurological side effects. Cautious use is recommended in dogs diagnosed as suffering from epilepsy.

A low urinary pH could have an inhibitory effect on the activity of marbofloxacin.

Fluoroquinolones should be reserved for the treatment of clinical conditions which have responded poorly, or are expected to respond poorly to other classes of antimicrobials. Whenever possible, use of fluoroquinolones should be based on susceptibility testing. Use of the product deviating from the instructions given in the SPC may increase the prevalence of bacteria resistant to the fluoroquinolones and may decrease effectiveness of treatment with other quinolones due to the potential for cross-resistance.

Fluoroquinolones are known to interact with orally administered cations (Aluminium, Calcium, Magnesium, Iron). In such cases, the bioavailability may be reduced. Overdosage may cause acute signs in the form of neurological disorders, which should be treated symptomatically.

Studies in pregnant rats and rabbits showed no side effects on pregnancy. However no specific studies have been carried out in pregnant dogs.

#### User Information

People with known hypersensitivity to fluoroquinolones should avoid using this product. In case of accidental ingestion, seek medical attention and show product label and/or package leaflet to the doctor. Wear gloves when handling or dividing tablets. Wash hands after use.

#### **10. EXPIRY DATE**

Exp.

#### **11. SPECIAL STORAGE CONDITIONS**

No special precautions for storage

#### **12. SPECIFIC PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCTS OR WASTE MATERIALS, IF ANY**

Dispose of used packaging in the household refuse.  
Unused tablets including halved tablets should be returned to the veterinary surgeon.

**13. THE WORDS “FOR ANIMAL TREATMENT ONLY” AND CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE IF APPLICABLE**

*[Distribution category]*

For animal treatment only

To be supplied only on veterinary prescription

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

Keep out of reach of children

**15. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER**

Vetoquinol UK Limited  
Steadings Barn  
Pury Hill Business Park  
Nr. Alderton  
Towcester  
Northamptonshire  
NN12 7LS

**16. MARKETING AUTHORISATION NUMBER**

Vm 08007/4111

**17. MANUFACTURER’S BATCH NUMBER**

Lot.

**PACKAGE LEAFLET FOR: Marbocyl P**

**1. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER AND OF THE MANUFACTURING AUTHORISATION HOLDER RESPONSIBLE FOR BATCH RELEASE, IF DIFFERENT**

Vetoquinol UK Limited  
Steadings Barn  
Pury Hill Business Park  
Nr. Alderton  
Towcester  
Northamptonshire  
NN12 7LS

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

Marbocyl P 5 mg  
Marbocyl P 20 mg  
Marbocyl P80 mg

**3. STATEMENT OF THE ACTIVE SUBSTANCE (S) AND OTHER INGREDIENTS**

Marbocyl P 5mg

Divisible tablets containing 5 mg of marbofloxacin  
MARBOCYL®P 5 mg : Vm 08007/4109  
Blisters of 10 tablets for MARBOCYL®P 5 mg

Marbocyl P 20mg

Divisible tablets containing 20 mg of marbofloxacin  
MARBOCYL®P 20 mg : Vm 08007/4110  
Blisters of 10 tablets for MARBOCYL®P 20 mg

Marbocyl P 80mg

Divisible tablets containing 80 mg of marbofloxacin  
MARBOCYL®P 80 mg : Vm 08007/4111  
Blisters of 6 tablets for MARBOCYL®P 80 mg

**4. INDICATION(S)**

Infections caused by susceptible strains of organisms.

IN DOGS: Marbocyl® P is indicated in the treatment of:

Skin and soft tissue infections (skinfold pyoderma, impetigo, folliculitis, furunculosis, cellulitis).

Urinary tract infections (UTI) associated or not with prostatitis.

Respiratory tract infections.

In CATS: Marbocyl® P is indicated in the treatment of:

Skin and soft tissue infections (wounds, abscesses).

Upper respiratory tract infections.

## 5. CONTRAINDICATIONS

Marbofloxacin should not be used in dogs aged less than 12 months, or less than 18 months for exceptionally large breeds of dogs, such as Great Danes, Briards, Bernese Bouviers and Mastiffs, with a longer growth period.

Do not use in cases of hypersensitivity to fluoroquinolones or any of the excipients of the product.

Do not use in cases of resistance against quinolones since (almost) complete cross-resistance exists against other fluoroquinolones.

Not suitable for infections resulting from strict anaerobes, yeast or fungi.

## 6. ADVERSE REACTIONS

At the therapeutic recommended dosage, no severe side-effects are to be expected in dogs and cats. In particular, no lesions of the articular joints were encountered in clinical studies at the recommended dose rate.

However, joint pain and/or neurological symptoms (ataxia, aggression, convulsion, depression) may occur on rare occasions.

Allergic reactions have been observed (temporary skin reactions) due to histamine release that may occur.

Mild side effects such as vomiting, softening of faeces, modification of thirst or transient increase in activity may occasionally occur. These signs cease spontaneously after treatment and do not necessitate cessation of treatment.

The frequency of adverse reactions is defined using the following convention:

- rare (more than 1 but less than 10 animals in 10,000 animals treated)

## 7. TARGET SPECIES

Cats and Dogs

## 8. DOSAGE FOR EACH SPECIES, ROUTE(S) AND METHOD OF ADMINISTRATION

- Recommended dose rate:

To ensure a correct dosage body weight should be determined as accurately as possible to avoid underdosing.

2 mg/kg/day in dogs and cats in a single daily administration by oral route. The daily dose is achieved as follows:

Cats and small dogs : MARBOCYL®P 5 mg - 1 tablet per 2.5 kg bw  
Medium dogs : MARBOCYL®P 20 mg - 1 tablet per 10 kg bw  
Large dogs : MARBOCYL®P 80 mg - 1 tablet per 40 kg bw

- Duration of treatment:

DOGS:

- In skin and soft tissue infections, treatment duration is at least 5 days.

Depending on the course of the disease, it may be extended up to 40 days.

- In urinary tract infections, treatment duration is at least 10 days. Depending on the course of the disease, it may be extended up to 28 days.
- In respiratory infections, treatment duration is at least 7 days and, depending on the course of the disease, it may be extended up to 21 days.

CATS:

- For skin and soft tissue infections (wounds, abscesses, phlegmons) treatment duration is 3 to 5 days.
- For upper respiratory infections treatment duration is 5 days. To ensure a correct dosage body weight should be determined as accurately as possible to avoid underdosing.

## **9. ADVICE ON CORRECT ADMINISTRATION**

See section 8.

## **10. WITHDRAWAL PERIOD(S)**

## **11. SPECIAL STORAGE PRECAUTIONS**

No special precautions for storage

## **12. SPECIAL WARNING(S)**

The fluoroquinolones have been shown to induce erosion of articular cartilage in juvenile dogs and care should be taken to dose accurately especially in young animals.

The fluoroquinolones are also known for their potential neurological side effects. Cautious use is recommended in dogs and cats diagnosed as suffering from epilepsy.

A low urinary pH could have an inhibitory effect on the activity of marbofloxacin. Fluoroquinolones are known to interact with orally administered cations (Aluminium, Calcium, Magnesium, Iron). In such cases, the bioavailability may be reduced. Overdosage may cause acute signs in the form of neurological disorders, which should be treated symptomatically.

### **SPECIAL PRECAUTIONS FOR USE IN ANIMALS**

Fluoroquinolones should be reserved for the treatment of clinical conditions which have responded poorly, or are expected to respond poorly to other classes of antimicrobials. Whenever possible, use of fluoroquinolones should be based on susceptibility testing. Use of the product deviating from the instructions given in the SPC may increase the prevalence of bacteria resistant to the fluoroquinolones and may decrease effectiveness of treatment with other quinolones due to the potential for cross-resistance.

### **OPERATOR WARNINGS**

People with known hypersensitivity to fluoroquinolones should avoid using this product. In case of accidental ingestion, seek medical attention and show product label and/or package leaflet to the doctor. Wear gloves when handling or dividing

tablets. Wash hands after use. Do not use Marbocyl® P 20 mg or Marbocyl® P 80 mg tablets in cats. For the treatment of this species the 5 mg tablet should be used. Studies in pregnant rats and rabbits showed no side effects on pregnancy. However no specific studies have been carried out in pregnant cats and dogs.

**13. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCT OR WASTE MATERIALS, IF ANY**

Dispose of used packaging in the household refuse. Unused tablets including halved tablets should be returned to the veterinary surgeon.

Marbocyl® P palatable tablets are packaged in aluminium /aluminium blister packs.

**14. DATE ON WHICH THE PACKAGE LEAFLET WAS LAST APPROVED**

September 2023

**15. OTHER INFORMATION**

At the therapeutic recommended dosage, no severe side-effects are to be expected in dogs and cats. In particular, no lesions of the articular joints were encountered in clinical studies at the recommended dose rate.

**USES**

Pharmacodynamic properties: Marbofloxacin is a synthetic, bactericidal antimicrobial, belonging to the fluoroquinolone group which acts by inhibition of the DNA gyrase. It is effective against a wide range of Gram positive bacteria (in particular Staphylococci, Streptococci) and Gram negative bacteria (Escherichia coli, Salmonella typhimurium, Citrobacter freundii, Enterobacter cloacae, Serratia marcescens, Morganella morganii, Proteus spp, Klebsiella spp, Shigella spp, Pasteurella spp, Haemophilus spp, Moraxella spp, Pseudomonas spp, Brucella canis) as well as Mycoplasma spp.

Pharmacokinetic properties : After oral administration in dogs and cats at the recommended dose of 2 mg/kg, marbofloxacin is readily absorbed and reaches maximal plasma concentrations of 1.5 µg/ml within 2 hours. Its bioavailability is close to 100 %. It is weakly bound to plasma proteins (less than 10%), extensively distributed and in most tissues (liver, kidney, skin, lung, bladder, digestive tract) it achieves higher concentrations than in plasma. Marbofloxacin is eliminated slowly ( $t_{1/2\beta}$ =12-14 h in dogs and 8-10 h in cats) predominantly in the active form in urine (2/3) and faeces (1/3)

For animal treatment only

**MINIMUM PARTICULARS TO APPEAR ON SMALL IMMEDIATE PACKAGING UNITS (Dispensing carton)**

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

Marbocyl P Tablets

**2. QUANTITY OF THE ACTIVE SUBSTANCE(S)**

Marbofloxacin Antibiotic

**3. CONTENTS BY WEIGHT, BY VOLUME OR BY NUMBER OF DOSES**

Tablets dispensed

Marbocyl P 5 mg  20 mg  80 mg

**4. PHARMACEUTICAL FORM**

Tablet

**6. SPECIAL STORAGE PRECAUTIONS**

Keep out of reach of children

No special precautions for storage

**7. SPECIAL WARNINGS**

People with known hypersensitivity to fluoroquinolones should avoid using the product. In case of accidental ingestion, seek medical attention and show product label and/or package leaflet to the doctor. Wear gloves when handling or dividing tablets. Wash hands after use.

**8. THE WORDS “FOR ANIMAL TREATMENT ONLY” AND CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE IF APPLICABLE**

*[Distribution category]*

POM-V

For animal treatment only

To be supplied only on veterinary prescription

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

Keep out of reach of children

**10. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER**

Vetoquinol UK Limited  
Steadings Barn  
Pury Hill Business Park  
Nr. Alderton  
Towcester  
Northamptonshire  
NN12 7LS

**11. MARKETING AUTHORISATION NUMBERS**

MARBOCYL®P 5 mg tablets : VM 08007/4109  
MARBOCYL®P 20 mg tablets : VM 08007/4110  
MARBOCYL®P 80 mg tablets : VM 08007/4111

**12. OTHER INFORMATION**

Prescribed by: Veterinary Surgeon's name and address

**MINIMUM PARTICULARS TO APPEAR ON BLISTERS**

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

Marbocyl P 80 mg Marbofloxacin

**2. TARGET SPECIES**

Dogs

**3. PHARMACEUTICAL FORM**

Palatable tablets

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

Vetoquinol UK Limited

**5. EXPIRY DATE**

**6. BATCH NUMBER**

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

For animal treatment only

Approved 29 September 2023

