

# Summary of Product Characteristics

## 1 NAME OF THE VETERINARY MEDICINAL PRODUCT

Clavucill 40mg/10mg, tablets for dogs and cats

## 2 QUALITATIVE AND QUANTITATIVE COMPOSITION

Each tablet contains:

### Active ingredients

Amoxicillin (as amoxicillin trihydrate)	40	mg
Clavulanic acid (as potassium clavulanate)	10	mg

### Excipients

Contains Erythrosine (E127)	0.05	mg
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For a full list of excipients, see section 6.1

## 3 PHARMACEUTICAL FORM

Tablet.  
Pale pink, bi-convex, divisible tablet, scored on one face. The tablets can be divided into equal halves.

## 4 CLINICAL PARTICULARS

### 4.1 Target Species

Cats & Dogs.

### 4.2 Indications for use, specifying the target species

Clinically, amoxicillin has been shown to be effective in treating a wide range of diseases of cats and dogs including: skin disease (including deep and superficial pyoderma); urinary tract infection; respiratory disease involving upper and lower respiratory tract; enteritis; dental infections (e.g. gingivitis); soft tissue infections (e.g. abscesses and anal sacculitis).

### 4.3 Contraindications

Do not use in animals with known hypersensitivity to the active substances.  
This product should not be given to rabbits, guinea pigs, hamsters or gerbils. Caution is advised in their use in any other very small herbivores.

### 4.4 Special warnings for each target species

None.

### 4.5 Special precautions for use

#### Special precautions for use in animals

This product is not indicated for cases involving *Pseudomonas spp.*  
Use of the product deviating from the instructions given in the SPC may increase the prevalence of bacteria resistant to penicillins and may decrease the effectiveness of treatment with other antimicrobials or classes of antimicrobials due to the potential for cross-resistance.

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

Penicillins and cephalosporins may cause hypersensitivity (allergy) following injection, inhalation, ingestion or skin contact. Hypersensitivity to penicillins may lead to cross-reactions to cephalosporins and vice versa. Allergic reaction to these substances may occasionally be serious.  
Do not handle this product if you know you are sensitised, or if you have been advised not to work with such preparations. Handle this product with great care to avoid exposure, taking all recommended precautions.

If you develop symptoms following exposure, such as a skin rash, you should seek medical advice and show the doctor this warning.

Swelling of the face, lips or eyes or difficulty with breathing are more serious symptoms and may require urgent medical attention.

In the event of accidental ingestion seek medical advice. Wash hands after handling the tablets.

#### 4.6 Adverse reactions (frequency and seriousness)

Very occasionally, hypersensitivity reactions to penicillins may occur in treated animals.

Use of the product may result in rare instances of gastro-intestinal disorders (vomiting, diarrhoea, anorexia).

#### 4.7 Use during pregnancy, lactation or lay

Can be safely used in pregnant and lactating animals

#### 4.8 Interaction with other medicinal products and other forms of interactions

None known.

#### 4.9 Amounts to be administered and administration route

To ensure a correct dosage, bodyweight should be determined as accurately as possible.

Dose rate: 12.5 mg/kg bodyweight twice daily.

For oral administration only. The tablets should be administered directly into the mouth.

Dose: The following table is intended as a guide to dispensing at the standard dose rate of 12.5 mg/kg, twice daily.

Bodyweight (kg)	Number of tablets per dose twice daily	
	50mg	250mg
1 – 2	½	-
3 – 5	1	-
6 – 9	2	-
10 – 13	3	-
14 – 18	4	-
19 – 25	-	1
26 - 35	-	1½
36 – 49	-	2
50 – 60	-	3

The products are effective against Klebsiella infections found in veterinary practice, but are not indicated for cases involving *Pseudomonas* species.

The majority of routine cases respond to between 5 and 7 days therapy. In chronic or refractory cases, a longer course of therapy may be required e.g. chronic skin disease 10 – 20 days, chronic cystitis 10 – 28 days, respiratory disease 8 – 10 days. Refractory cases particularly of the respiratory tract, have shown improved cure rates by doubling the dose to 25 mg/kg bodyweight twice daily.

#### 4.10 Overdose (symptoms, emergency procedures, antidotes), if necessary

The product is of low order toxicity to the target species. No adverse side effects are to be expected from accidental overdose.

#### 4.11 Withdrawal period(s)

Not applicable.

### 5 PHARMACOLOGICAL or IMMUNOLOGICAL PROPERTIES

Pharmacotherapeutic group. Beta-lactam antibacterials; amoxicillin and enzyme inhibitor.

ATCvet code: QJ01CR02

## 5.1 Pharmacodynamic properties

The ingredients have a notably broad spectrum of bactericidal activity against bacteria commonly found in cats & dogs. Resistance to many antibiotics is caused by  $\beta$ -lactamase enzymes which destroy the antibiotic before it can act on the bacteria themselves. The clavulanate counteracts this defence mechanism by inactivating the  $\beta$ -lactamases, thus rendering the organisms sensitive to amoxicillin's rapid bactericidal effect, at concentrations readily attainable in the body.

*In vitro* the product is active against a wide range of clinically important aerobic

and anaerobic bacteria, including:

*Gram-positive*: Staphylococci (including  $\beta$ -lactamase-producing strains) *Clostridia*; *Corynebacteria*

*Peptostreptococcus* spp.; *Streptococci*.

*Gram-negative*: *Bacteroides* spp. (including  $\beta$ -lactamase-producing strains); *Escherichia coli* (including most  $\beta$ -lactamase producing strains); *Salmonellae* (including  $\beta$ -lactamase-producing strains); *Bordetella bronchiseptica*; *Campylobacter* spp.; *Fusobacterium necrophorum*; *Klebsiellae*; *Pasteurellae*; *Proteus* spp.

## 5.2 Pharmacokinetic particulars

Following the administration of Clavucill in dogs, a mean  $C_{max}$  of 4.22 microgram/ml and 12 microg/ml was achieved at approximately 0.97 hours and 1.18 hours for Clavulanic acid and Amoxicillin respectively. The mean half-life was 0.63 hours and 1.57 hours for clavulanic acid and amoxicillin respectively.

## 6 PHARMACEUTICAL PARTICULARS

### 6.1 List of excipients

Erythrosine E127

Colloidal anhydrous silica

Sodium starch glycolate Type a

Microcrystalline Cellulose

Magnesium Stearate

### 6.2 Major incompatibilities

None known.

### 6.3 Shelf-life

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

Return any halved tablet to the opened foil strip and use within 24 hours.

### 6.4 Special precautions for storage

Do not store above 25°C.

Store in a dry place.

Return any halved tablet to the opened strip-pack and use within 24 hours.

### 6.5 Nature and composition of immediate packaging

The tablets are packed in aluminium foil strips.

Detailed composition:- Polyester: 12  $\mu\text{m}$

- Laminating agent: 3  $\text{g}/\text{m}^2$

- Aluminium foil: 20  $\mu\text{m}$

- Laminating agent: 3  $\text{g}/\text{m}^2$

- LD Polyethylene: 30  $\mu\text{m}$

Pack sizes: Tablet strips, packed in carton boxes of 10, 20, 30, 50, 80, 100, 250 & 500 Tablets.

Not all pack sizes may be marketed.

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

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal products should be disposed of in accordance with local requirements.

#### **7 MARKETING AUTHORISATION HOLDER**

V.M.D. n.v/s.a.  
Hoge Mauw 900  
Arendonk  
2370  
Belgium

#### **8 MARKETING AUTHORISATION NUMBER(S)**

VPA10817/002/001

#### **9 DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION**

Date of first authorisation: 28 February 2014

#### **10 DATE OF REVISION OF THE TEXT**

June 2015