

For the use of Registered Veterinary Practitioner, Hospital or Laboratory

CEPHAVET

(Cephalexin Tablets 300mg, 600mg and Oral Suspension)

Composition:

Each film coated tablet of **CEPHAVET 300** contains:

Cephalexin Monohydrate I.P
Eq. To Cephalexin Anhydrous 300 mg
Excipients QS

Each film coated tablet of **CEPHAVET 600** contains:

Cephalexin Monohydrate I.P
Eq. To Cephalexin Anhydrous 600 mg
Excipients QS

Each 5 ml reconstituted **CEPHAVET Oral**

Suspension contains:

Cephalexin I.P
Eq. to Anhydrous Cephalexin 250 mg
Excipient QS
Colour: Erythrosine

Description:

CEPHAVET is chewable tablet containing 300 mg of cephalexin. Cephalexin is a cephalosporin, β -lactam, broad spectrum antibiotic. The full chemical name for cephalexin is 7-(D- α -amino- α -phenylacetamido)-3-methyl-3-cephem-4-carboxylic acid monohydrate.

Clinical Pharmacology

Cephalexin belongs to the cephalosporin family of bactericidal antibiotics. Like other β -lactam antimicrobials, cephalexin exerts its inhibitory effect by interfering with bacterial cell wall synthesis. This interference is primarily due to its covalent binding to the penicillin-binding proteins (PBPs) (i.e., transpeptidase and carboxypeptidase), which are essential for synthesis of the bacterial wall.

Cephalexin is readily and almost completely absorbed following oral administration (90% absolute bioavailability). Blood concentrations are proportional to dose within the range of at least 15 to 45 mg/kg. Binding to canine plasma proteins is low, ranging from 9 to 13% cephalexin concentrations of 0.5 to 100 μ g/mL.

Food reduces the peak cephalexin concentrations but has negligible effect on the extent of absorption.

Microbiology:

Cephalexin has greater activity against *Staphylococci* and gram-negative bacteria. It has excellent activity against *Staphylococcus spp*, *Streptococcus spp*, *E coli*, *Proteus* and *Klebsiella*.

Indications:

For the treatment bacterial skin infections

For the treatment of secondary superficial bacterial pyoderma in dogs caused by susceptible strains of *Staphylococcus pseudintermedius*
Also for the treatment of the urinary tract, respiratory tract, bones and joints infections

Dosage and Administration:

The recommended dose is 15 mg/kg of body weight twice or 30 mg/kg of body weight once a day (Two tablets for 20 kg body weight once or one tablet for 20 kg body weight twice a day).

Appropriate culture and susceptibility tests should be performed before treatment to determine the causative organism and its susceptibility to cephalexin. Antimicrobial therapy should be adjusted according to the tests. If acceptable response to treatment is not observed, then the diagnosis should be re-evaluated and appropriate alternative therapy considered.

Reconstitution Instructions - Oral Suspension

Slowly add boiled and cooled water up to the ring mark on the bottle. Shake vigorously. Adjust the volume upto the ring mark by adding more water, if necessary. This makes 60 ml suspension. Each 5 mL of suspension will contain 250 mg of cephalexin.

Contraindications:

Cephalexin is contraindicated in dogs with a known allergy to cephalexin or to the β -lactam (any of the penicillins or cephalosporins) group of antibiotics.

Warnings:

Antimicrobials, including penicillins and cephalosporins, can cause allergic reactions in sensitized individuals. Sensitized individuals handling such antimicrobials, including cephalexin, should avoid contact of the product with the skin and mucous membranes in order to minimize the risk of allergic reactions.

Keep this drug out of the reach of children.

For use in dogs only
NOT FOR HUMAN USE
FOR ANIMAL TREATMENT ONLY

Precautions:

The safe use of Cephalexin in dogs and cats intended for breeding and in pregnant or lactating bitches / queens has not been evaluated.

Adverse reactions:

In the event of an allergic reaction such as shortness of breath, rash, hives, vomiting, diarrhea, mucous or blood in the stool, swelling of the lips, tongue, or face, and unusual bleeding or bruising.

How supplied:

Tablets are available as a strip of 10 tablets; Oral suspension is available as a Bottle of 60 ml

Storage:

Store in a dry and cool place at 20-25°C

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