

**Summary:****International Baytril Formulations:**

Baytril is available in three different tablet strengths and as injectable solution.

In general, Baytril is given at 5 mg/kg b.w. for 5-10 days. In chronic recurrent infections, however, it may be indicated to increase the duration of therapy and/or the daily dose.

Baytril is an antiinfective with concentration-dependent antibacterial activity. This means that single application of the total daily dose is more predictive of therapeutic success than dividing it into two or more portions. Once daily application also offers more convenience to the animal owner and significantly increases therapeutic compliance.

**Summary:****US Baytril Formulations:**

Baytril is available as Baytril® Taste Tabs™ in different concentrations with flavoring enhancement, and as coated tablets without flavour. An injectable solution is available too. This allows the veterinarian to start treatment with injection as well as dispensing tablets to the pet owner for follow-up treatment.

In general, Baytril is given for 5-10 days at a daily dose of 5 mg/kg b.w., which is suitable for the management of the majority of canine and feline bacterial infections. When chronic infections are present, or if bacteria such as *Pseudomonas* are involved, it may be indicated to increase the daily dose and/or the duration of treatment.

Professional Flexible Label means that if necessary Baytril can be administered safely at doses ranging from 5-20 mg/kg b.w. for up to 30 days. In this way, therapy with Baytril can be conveniently adapted to the severity of the pathologic condition.



Depending on the local registration in different countries, free choice has been left to the user in the past, to administer the entire daily dose of Baytril once a day (SID), or split it into two applications (BID). Recent findings suggest that it is the total dose of enrofloxacin and not the dosing frequency that is significant in determining drug efficacy and therapeutic success (4). It has been concluded that enrofloxacin, like other fluoroquinolones, exhibits concentration-dependent killing activity against Gram-negative and Gram-positive pathogens relevant to small animal practices (4), (5). Maintaining sufficient drug concentrations above the MIC of the pathogen during the entire treatment interval, which is necessary for anti-infectives with time-dependent bactericidal activity such as beta-lactam antibiotics or erythromycin, is of minor importance for successful treatment with fluoroquinolones (4).

The aim of Baytril therapy, therefore, should be to reach maximum peak plasma concentrations (C<sub>max</sub>), which only can be achieved when the total daily dose is administered in one single application.

In general, and depending on the local registration, Baytril is given for 5-10 days at daily

**Pharmacology / Dosage and Duration of Treatment****2/2**

doses of 5 mg/kg body weight, a regimen that is suitable for the management of the vast majority of canine and feline bacterial infections.

As with other antiinfectives, however, it may be indicated to increase the daily dose and the duration of therapy when chronic recurrent infections are present or if bacteria such as *Pseudomonas* are involved (5), (15).

Baytril is available as tablets in different concentrations of enrofloxacin, and as injectable solutions. The tablets can be easily split in order to achieve accurate dosing according to the body weight of the individual patient.

The injectable solutions allow the vet practitioner to begin treatment with an injection while dispensing one of the tablet formulations to the animal owner for follow-up treatment at home.

**References:**

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- (5) Wetzstein HG, DeJong A: In vitro bactericidal activity and post antibiotic effect of fluoroquinolones used in veterinary medicine. *Suppl Compend Contin Educ Pract Vet* 18 (2): 22-29, 1996.
- (15) Boothe DM: Principles of drug selection for respiratory infections in cats. *Suppl Compend Contin Educ Pract Vet* 19 (3): 5-15, 1997.