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Dosages of Frequently Used Antimicrobial Drugs and Disclaimer (30-Jul-2001)

G.R. Carter

Department of Biomedical Sciences and Pathobiology, Virginia-Maryland Regional College of Veterinary Medicine,
Virginia Tech, Blacksburg Virginia, USA.

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Introduction

The list of frequently used antimicrobial drugs that follows includes the dosage* for the drugs most frequently used in the treatment of infectious diseases of dogs and cats. This listing obviates the need for repeating many dosages over and over again throughout the text. The dosages of the less frequently used antimicrobial drugs are given in the discussion of the individual diseases.

Although antimicrobial drugs are frequently recommended the drug preference should be based, when applicable, on the results of antimicrobial susceptibility tests.

Dosages are for dogs or cats unless stipulated otherwise.

Dosages of Antimicrobial Drugs

Amoxicillin -

11 mg/kg, PO; 12 hour interval in dogs; 12 - 24 hour interval in cats.

4 - 7 mg/kg, IM, 12 - 24 hour interval.

Amoxicillin with clavulanic acid -

10 - 25 mg/kg, combined, PO, every 8 - 12 hours.

10 - 20 mg/kg, combined, IM, SC, every 24 hours.

Amphotericin B -

Dogs: 0.25 - 0.5 mg/kg, IV (slow infusion) or SC, 48 hour interval.

Dogs: maximum cumulative dose IV, 8 - 12 mg.

Cats: 0.1 - 0.25 mg/kg.

Cats: maximum cumulative dose IV, 4 mg.

Ampicillin -

10 - 20 mg/kg, PO, every 8 - 12 hours.

10 mg/kg, IV, IM, SC, 12 hour interval.

Chloramphenicol -

Dog: 45 - 60 mg/kg, PO, IV, IM, 8 - 24 hour interval.

Cat: 45 - 60 mg/kg, PO, IV, IM, 12 hour interval.

Chlortetracycline -

20 mg/kg, PO, 8 hour interval.

Clindamycin -

5 - 10 mg/kg, PO, 12 hour interval.

Doxycycline -

5 - 10 mg/kg, PO, IV, 12 hours interval.

Not for pregnant cats.

Erythromycin -

10 - 20 mg/kg, PO, 8 - 12 hour interval.

Gentamycin -

3 - 6 mg/kg, IV, IM, SC, 12 - 24 hour interval.

Itraconazole -

5 - 10 mg/kg, PO, 12 - 24 hour interval.

Ketoconazole -

Dogs: 10 - 15 mg/kg, PO, 8 - 12 hour interval.

Cats: 5 - 10 mg/kg, PO, 8 - 12 hour interval.

Not for pregnant animals.

Oxytetracycline -

20 mg/kg, PO, 8 hour interval.

7 - 10 mg/kg, IV, IM, 12 hour interval.

Penicillin G Na or Penicillin G K -

20,000 - 40,000 IU/kg, IV, IM, SC, 4 - 6 hour interval.

Penicillin G, procaine -

10,000 - 30,000 IU/kg, IM, SC 12 to 24 hour interval.

Penicillin V -

15,000 IU/kg, PO, 8 hour interval.

Streptomycin -

7.5 - 12.5 mg/kg, IM, SC, 12 hour interval.

20 mg/kg, PO, 6 hour interval.

Sulfadiazine -

50 mg/kg, PO, IV, 12 hour interval.

Sulfadimethoxine -

55 mg/kg, PO, initial dose, followed by a half dose, 12 - 24 hour interval.

Tetracycline -

10 mg/kg, IV, IM, 12 hour interval; 20 mg/kg, PO, 8 hour interval.

Trimethoprim-sulfadiazine -

30 mg combined/kg, PO, 12 - 24 hour interval.

Trimethoprim-sulfamethoxazole -

30 mg combined/kg, PO, 12 - 24 hour interval.

* The author is indebted to, Antimicrobial Therapy in Veterinary Medicine, 3rd edition, by J.F. Prescott, J.D. Baggot and R.D. Walker, Iowa State University Press, Ames, Iowa, 2000, for many of the dosages of antimicrobial drugs listed above and in the text.

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