

Marbofloxacin

(Aurizon (d), Boflox Flavour (c,d), Efex (c,d), Marbocare (c,d), Marbocyl (c,d), Marbodex (d), Marfloquin (c,d), Quiflor (c,d)) POM-V

- **Formulations**

Injectable: 200 mg powder for reconstitution giving 10 mg/ml when reconstituted. Oral: 5 mg, 10 mg, 20 mg, 40 mg, 80 mg, 100 mg tablets. Topical: 3 mg/ml marbofloxacin + clotrimazole + dexamethasone (aural use).

- **Action**

Broad-spectrum antibiotic inhibiting bacterial DNA gyrase via a concentration-dependent mechanism particularly against Gram-negative bacteria. Low urinary pH may reduce the activity.

- **Use**

- Should be used based on antimicrobial susceptibility testing, wherever possible, and where lower tier antimicrobials would not be effective.
- Active against *Mycoplasma* and many Gram-positive and particularly Gram-negative organisms, including *Pasteurella*, *Staphylococcus*, *Pseudomonas aeruginosa*, *Klebsiella*, *Escherichia coli*, *Mycobacterium*, *Proteus* and *Salmonella*. Fluoroquinolones are effective against beta-lactamase-producing bacteria. Relatively ineffective against obligate anaerobes.

Fluoroquinolones are highly lipophilic drugs that attain high concentrations within cells in many tissues and are particularly effective in the management of soft tissue, urogenital (including pyelonephritis and prostatitis) and skin infections. May allow clearance of *Mycoplasma haemofelis* in cats persistently infected after doxycycline treatment. May be useful in the treatment *Leishmania*, particularly where concurrent chronic kidney disease is present. Used in combination therapy for treatment of mycobacterial infections.

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- **DOSES**

Classified as **category B (Restrict)** by the EMA. See Appendix for [Guidelines for responsible antibiotic use](#)

- **Dogs** Oral and parenteral: 2 mg/kg i.v., s.c., p.o. q24h. Higher doses should be considered for certain sites, including in prostatitis, and for certain isolates of *Pseudomonas aeruginosa*.

Topical: 10 drops per ear q24h.

- **Cats** 2 mg/kg i.v., s.c., p.o. q24h.