

Doxycycline

(Doxybactin (c,d), Ronaxan (c,d)) POM-V

- **Formulations**

Oral: 20 mg, 50 mg, 100 mg, 200 mg, 400 mg tablets. A paste is available on a named patient basis. **VSP**

- **Action**

Time-dependent antimicrobial agent inhibiting protein synthesis at the initiation step by interacting with the 30S ribosomal subunit.

- **Use**

- Antibacterial (including spirochaetes such as *Helicobacter* and *Campylobacter*), antirickettsial, antimycoplasmal (e.g. *Mycoplasma haemofelis*) and antichlamydial activity.
- It is the drug of choice to treat feline chlamydiosis; treatment may be required for 3–4 weeks in cats.
- It is also an adjunctive treatment for canine heartworm disease as it eliminates the symbiont *Wolbachia*.

It is not affected by, and does not affect, renal function as it is excreted in faeces, and is therefore recommended when tetracyclines are indicated in animals with renal impairment. Being extremely lipid-soluble, it penetrates well into prostatic fluid and bronchial secretions. Administer with food.

- **DOSES**

Classified as category D (Prudence) by the EMA. See Appendix for [Guidelines for responsible antibiotic use](#)

- **Dogs, Cats**

10 mg/kg p.o. q24h with food.

For heartworm treatment: 10 mg/kg p.o. q12h with food for 4 weeks.