

## Metoclopramide

(Emeprid (c,d), Metomotyl (c,d), Vomend (c,d)) POM-V

- **Client Information Leaflet:** [Metoclopramide](#)
- **Formulations**

Injectable: 5 mg/ml solution. Oral: 1 mg/ml solution.

- **Action**

Has an antiemetic effect via central dopamine (D2) receptor antagonism and, at higher doses, 5HT<sub>3</sub> antagonism at the chemoreceptor trigger zone. Dopamine receptors are more important in the vomiting reflex in dogs than in cats, so metoclopramide is less likely to be effective in cats. Gastric prokinetic effect is a result of local D2 antagonism and stimulation of muscarinic acetylcholine and 5HT<sub>4</sub> receptors leading to increases in oesophageal sphincter pressure, the tone and amplitude of gastric contractions and peristaltic activity in the duodenum and jejunum, and relaxation of the pyloric sphincter. Prokinetic effects appear to be weak and distal intestinal motility is not significantly affected.

### [More +](#)

- **Use**
  - Treatment of vomiting of many causes.
  - Prokinetic effect may be beneficial in gastro-oesophageal reflux disease.
- **DOSES**
  - **Dogs, Cats: All uses:** 0.25–0.5 mg/kg i.v., i.m., s.c., p.o. q12h; 0.17–0.33 mg/kg i.v., i.m., s.c., p.o. q8h; 1–2 mg/kg i.v. over 24 hours as a CRI.