

90.00 mm

For the use only of a Registered Veterinary Practitioner or a Hospital or a Laboratory or a Farm.

## Firocoxib Tablets 57mg FIRO-GARD 57

### YUM-TAB!

For Use in Dogs Only

#### COMPOSITION:

Each uncoated tablet contains:  
Firocoxib.....57mg  
Excipients.....q.s.

#### DESCRIPTION:



Firocoxib belongs to the coxib class of non-narcotic, non-steroidal anti-inflammatory drugs. Firocoxib is a white crystalline compound described chemically as 3-(cyclopropylmethoxy) 4-(4(methylsulfonyl)phenyl)-5,5-dimethylfuranone. The empirical formula is C<sub>17</sub>H<sub>20</sub>O<sub>5</sub>S, and the molecular weight is 336.4. The structural formula is shown below:

#### INDICATIONS:

Indicated for the control of pain and inflammation associated with osteoarthritis and for the control of postoperative pain and inflammation associated with soft-tissue and orthopedic surgery in dogs.

#### DOSAGE AND ADMINISTRATION:

The recommended dosage is 2.27 mg/lb (5.0mg/kg) body weight once daily as needed for osteoarthritis and for 3 days as needed for postoperative pain and inflammation associated with soft-tissue and orthopedic surgery. The dogs to be treated Firocoxib Tablets approximately two hours prior to surgery or as directed by the Veterinarian.

Following orthopaedic surgery and depending on the response observed, treatment using the same daily dosing schedule may be continued after the first 3 days, upon judgement of the attending veterinarian.

		No. Of Tablets/Daily Dose	
No. Of Tablets/Daily Dose		57 mg	227 mg
5.7 to 8.2 Kg	12.5 - 18 lbs	½	
8.3 to 15.9 Kg	18.1 to 35 lbs	1	
16 to 32.2 Kg	35.1 to 71 lbs		½
32.3 to 54.4 Kg	71.1 to 120 lbs		1
54.5 to 72.6 Kg	120.1 to 160 lbs		½
72.7 to 108.9 Kg	160.1 to 240 lbs		2

Tablets can be divided into 2 or 4 equal parts to enable accurate dosing.

**TARGET SPECIES :** Dogs.

#### PHARMACODYNAMIC PROPERTIES :

Pharmacotherapeutic group: Anti-inflammatory and anti-rheumatic products, non-steroids.  
ATCvet code: QM01AH90

**PHARMACODYNAMICS :** Firocoxib is a non-steroidal anti-inflammatory drug (NSAID) belonging to the Coxib group, which acts by selective inhibition of cyclooxygenase-2 (COX-2) – mediated prostaglandin synthesis. Cyclooxygenase is responsible for generation of prostaglandins. COX-2 is the isoform of the enzyme that has been shown to be induced by pro-inflammatory stimuli and has been postulated to be primarily responsible for the synthesis of prostanoid mediators of pain, inflammation, and fever. Coxibs therefore display analgesic, anti-inflammatory and antipyretic properties. COX-2 is also thought to be involved in ovulation, implantation and closure of the ductus arteriosus, and central nervous system functions (fever induction, pain perception and cognitive function). In in-vitro canine whole blood assays, firocoxib exhibits approximately 380-fold selectivity for COX-2 over COX-1. The concentration of firocoxib required to inhibit 50 % of the COX-2 enzyme (i.e., the IC<sub>50</sub>) is 0.16 (± 0.05) µM, whereas the IC<sub>50</sub> for COX-1 is 56 (± 7) µM.

## Firocoxib Tablets 227 mg FIRO-GARD 227

### YUM-TAB!

For Use in Dogs Only

#### COMPOSITION:

Each uncoated tablet contains:  
Firocoxib.....227mg  
Excipients.....q.s.

**PHARMACOKINETICS :** Following oral administration in dogs at the recommended dose of 5 mg per kg of bodyweight, firocoxib is rapidly absorbed and the time to maximal concentration (T<sub>max</sub>) is 1.25 (± 0.85) hours. The peak concentration (C<sub>max</sub>) is 0.52 (± 0.22) µg/ml (equivalent to approximately 1.5 µM), area under the curve (AUC 0-24) is 4.63 (± 1.91) µg x hr/ml, and oral bioavailability is 36.9 (± 20.4) percent. The elimination half-life (t<sub>1/2</sub>) is 7.59 (± 1.53) hours. Firocoxib is approximately 96 % bound to plasma proteins. Following multiple oral administrations, the steady state is reached by the third daily dose. Firocoxib is metabolised predominantly by dealkylation and glucuronidation in the liver. Elimination is principally in the bile and gastrointestinal tract.

**WARNING & PRECAUTION :** Do not exceed the recommended dosage.

#### CONTRAINDICATIONS:

- Do not administer to animals other than those for which it is indicated.
- Do not use concomitantly with corticosteroids or other non-steroidal anti-inflammatory drugs (NSAIDs).
- Hypersensitivity to any of the Ingredients.

**ADVERSE EFFECTS :** Vomiting or diarrhoea is uncommonly observed. These reactions are generally of a transitory nature and are reversible when the treatment is stopped. Central nervous system / Hepatic disorder / Renal disorder are very rarely observed. As with other NSAIDs, if serious adverse effects occur, use of the product should be stopped and the advice of a veterinarian should be sought.

**OVERDOSE:** Firocoxib Tablet is well tolerated however bodyweight loss & poor appetite is observed at dose greater than 25 mg/kg/day (5 times the recommended dose.)

**PRESENTATION :** 1 Blister containing 6 Tablets is packed in a Carton along with the Pack Insert.

**STORAGE :** Store below 30°C in a dry place.

**FOR VETERINARY USE.  
NOT FOR HUMAN USE.  
FOR ANIMAL TREATMENT ONLY.**

**KEEP OUT OF REACH OF CHILDREN & PETS, AWAY FROM FOOD.**

Carefully read the accompanying instructions before use.

# Veko

**MANUFACTURED & MARKETING BY:  
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260.00 mm