



1. VETERINARY MEDICATION NAME

Rx Felvital® Taurina

2. PHARMACEUTICAL PRESENTATION

Oral suspension.

3. FORMULA

Each 100 mL contain:

Taurine 10 g
Vehicle: Vitamin B1 (thiamine), Vitamin B2 (riboflavin), Vitamin B3 (niacin), Vitamin B5 (calcium pantothenate), Vitamin B6 (pyridoxine), Vitamin B12 (cyanocobalamin), Vitamin A, Vitamin C, Vitamin E, Vitamin D3, Vitamin K, biotin, folic acid, thickeners, flavoring agents, and water q.s. to 100 mL.

4. THERAPEUTIC INDICATIONS

Taurine-based nutritional supplement that supports the maintenance of normal cardiac, visual, immune, reproductive, digestive, and neurological functions. Aids in energy metabolism, tissue maintenance, and provides antioxidant support (Case *et al.*, 2011; Ettinger *et al.*, 2017; Ferranti *et al.*, 2019; Guoyao, 2019; Little *et al.*, 2012; Marin, 2015; Norton *et al.*, 2016; Plumb, 2018; Peterson *et al.*, 2011; Wortinger *et al.*, 2015).

5. SPECIES

Felines (Ettinger *et al.*, 2017; Marin, 2015; Webb, 2018).

6. ADMINISTRATION ROUTE

Oral (Lie *et al.*, 2013; Marin, 2015; Plumb, 2018; Riviere *et al.*, 2018).

7. DOSAGE

2.5 mL of Rx Felvital® Taurine per cat (providing 250 mg taurine) every 12 or 24 hours (Lie *et al.*, 2013; Marin, 2015; Plumb, 2018; Riviere *et al.*, 2018).

The dosage may be adjusted at the discretion of the Veterinarian.

8. MECHANISM OF ACTION

Taurine is involved in various physiological functions, including osmoregulation, modulation of calcium channels, antioxidant activity, bile acid conjugation, as well as retinal, myocardial, and reproductive function. Most animals convert methionine and cysteine into taurine; however, in cats, the majority of these amino acids are converted into felinine, which is excreted in large amounts in the urine and is believed to play a role in territorial marking (Ettinger *et al.*, 2017;

Guoyao, 2019; Little *et al.*, 2012; Marin, 2015; Plumb, 2018; Peterson *et al.*, 2011; Wortinger *et al.*, 2015).

9. PHARMACOKINETICS

It is known that excess taurine is rapidly excreted by the kidneys, whereas in states of deficiency, urinary excretion decreases due to renal reabsorption (Plumb, 2018).

10. WARNINGS

There are no contraindications to the use of taurine (Marín, 2015).

11. ADVERSE REACTIONS

In general, taurine is well tolerated, however, gastrointestinal effects may occur (Marín, 2015).

12. OVERDOSAGE

Taurine appears to have very low toxic potential, as excessive doses are eliminated via the renal route. Even at high doses (800 to 1500 mg/kg), no clinical side effects were documented in cats, with only one cat showing mild changes in electroencephalographic activity (Marín, 2015; Mikscha *et al.*, 2016; Plumb, 2018).

13. DRUG INTERACTIONS

There are no documented interactions between taurine and any other drugs (Marín, 2015; Plumb, 2018).

14. INTERACTIONS WITH LABORATORY TESTS

Since plasma levels may reflect acute fluctuations following oral administration, it is recommended to assess the current taurine status using whole blood, as intracellular taurine concentrations in whole blood are higher than in plasma. Hemolysis or accumulation of the buffy coat may lead to a false-negative result.

15. USE DURING PREGNANCY AND/OR LACTATION

Taurine is an essential amino acid for feline reproduction and fetal development. A deficiency during gestation causes miscarriage, high neonatal mortality, embryonic death and fetal malformations. Feline milk is rich in taurine compared to other species (Elices, 2017).

16. PRECAUTIONS

Store in a cool, dry place away from direct sunlight and/or heat.

Keep out of reach of children and pets.

Product for exclusive use in Veterinary Medicine.

17. EXPIRATION PERIOD

Shelf life of the veterinary medicinal product as packaged for sale: 24 months.

India, 2015.

18. HOLDER OF THE REGISTRY

HOLLAND DE MEXICO SA DE CV
Calle 21 Este No 12, Col. Civac
Jiutepec, Morelos, CP 62578.

19. REGISTRATION NUMBER

Q-4196-279

20. SALE, DISPENSATION, AND/OR USE PROHIBITION

Consult your veterinarian.
Shake before use.

21. PRESENTATION

Box containing 80 mL bottle (2.7 fl oz).

22. REFERENCES

- 22.1 Case *et al.* Canine and Feline Nutrition, a Resource for Companion Animal Professionals, ed. Elsevier, Mosby, ^{3rd}, USA, 2011.
- 22.2 Elices M. Practical Atlas of nutrition and feeding in cats and dogs. Servetus, Vol. II, Spain, 2017.
- 22.3 Ettinger *et al.* Textbook of Veterinary Internal Medicine, Diseases of the dog and the cat. Elsevier, 8th ed, Canada, 2017.
- 22.4 Ferranti *et al.* Encyclopedia of Food Security and Sustainability, General and Global Situation. Elsevier, Vol 1, USA, 2019.
- 22.5 Guoyao W. Amino Acids in Nutrition and Health, Amino Acids in the Nutrition of Companion, Zoo and Farm Animals. Springer, Vol 1285, China, 2019.
- 22.6 Lie *et al.* Reversible myocardial failure in a cat with primary hypoparathyroidism. Journal of Feline Medicine and Surgery 15(10) 932-940.
- 22.7 Little S. The Cat, Clinical Medicine and Management. Elsevier Saunders. China, 2012.
- 22.8 Marin H. Practical Pharmacology in cats. 1 ed., Mexico, 2015.
- 22.9 Mikscha *et al.* Oral antiepileptic drug therapy options in cats. Eur J Comp An Pract, 2016; 26(4): 32-49.
- 22.10 Norton *et al.* Nutritional Considerations for Dogs and Cats with Liver Disease. J Am Anim Hosp Assoc 2016; 52:1-7.
- 22.11 Peterson *et al.* Small Animal Pediatrics: The First 12 Months of Life. Elsevier Saunders. China, 2011.
- 22.12 Plumb D. Veterinary Drug Handbook, 9th ed, John Wiley & Son Inc, 2018.
- 22.13 Riviere *et al.* Veterinary Pharmacology and Therapeutics. 10th ed., Wiley BlackWell, India, 2018.
- 22.14 Webb C. Hepatic Lipidosis Clinical review drawn from collective effort. Journal of Feline Medicine and Surgery, 2018;20:217-227.
- 22.15 Wortinger *et al.* Nutrition and Disease Management for Veterinary Technicians and Nurses, 2nd ed, Wiley,

CERTIFICATE OF ACCURACY

I, the undersigned, Diana Alicia de Regules Silva, Certified Translator No. P037-2020 SPANISH-ENGLISH-SPANISH, duly sworn and authorized by the Mexican Supreme Court of Justice, as per the Federal Judiciary Council's publication in the Federal Official Gazette on December 11, 2024 (accessible at https://www.dof.gob.mx/2024/CJF/listado_peritos_PJF_2025.pdf page 204):

1. I hereby certify that I have translated a **2**-page document in Spanish, titled **"FICHA TÉCNICA"** into a **2**-page English document, titled **"TECHNICAL DATA SHEET"** both of which are attached herewith.



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