



Cats & Taurine

IS THERE ENOUGH TAURINE IN YOUR CAT'S DIET?



Taurine is considered **AN INDISPOSABLE, OR ESSENTIAL AMINO ACID FOR CATS.**

Unlike many other mammals, cats lack the ability to synthesize taurine in their bodies. This means that **cats must have taurine provided directly through their fed diet.** As cats are obligate carnivores, it works out: taurine is found in animal based proteins – i.e. meat.

If a cat is deprived of taurine, the symptoms may not be noticeable for quite some time, potentially upwards of two years. Feeding cats a quality pet food, be it wet, kibble, raw or otherwise, with appropriate inclusions of taurine is one way of helping your purr-fect partner live a healthy life.

TAURINE SUPPORTS:

Dental Health

LACK OF TAURINE CAN CAUSE:

- Tooth decay

Heart Health

LACK OF TAURINE CAN CAUSE:

- Dilated cardiomyopathy, a.k.a. a tissue or structural abnormality in the heart

Digestion

Bile acid formation requires taurine.

LACK OF TAURINE CAN CAUSE:

- Digestive disruption

Vision

Retinal cells rely on taurine to maintain function of photoreceptors.

LACK OF TAURINE CAN CAUSE:

- Retinal degeneration
- Sight granularity
- Blindness

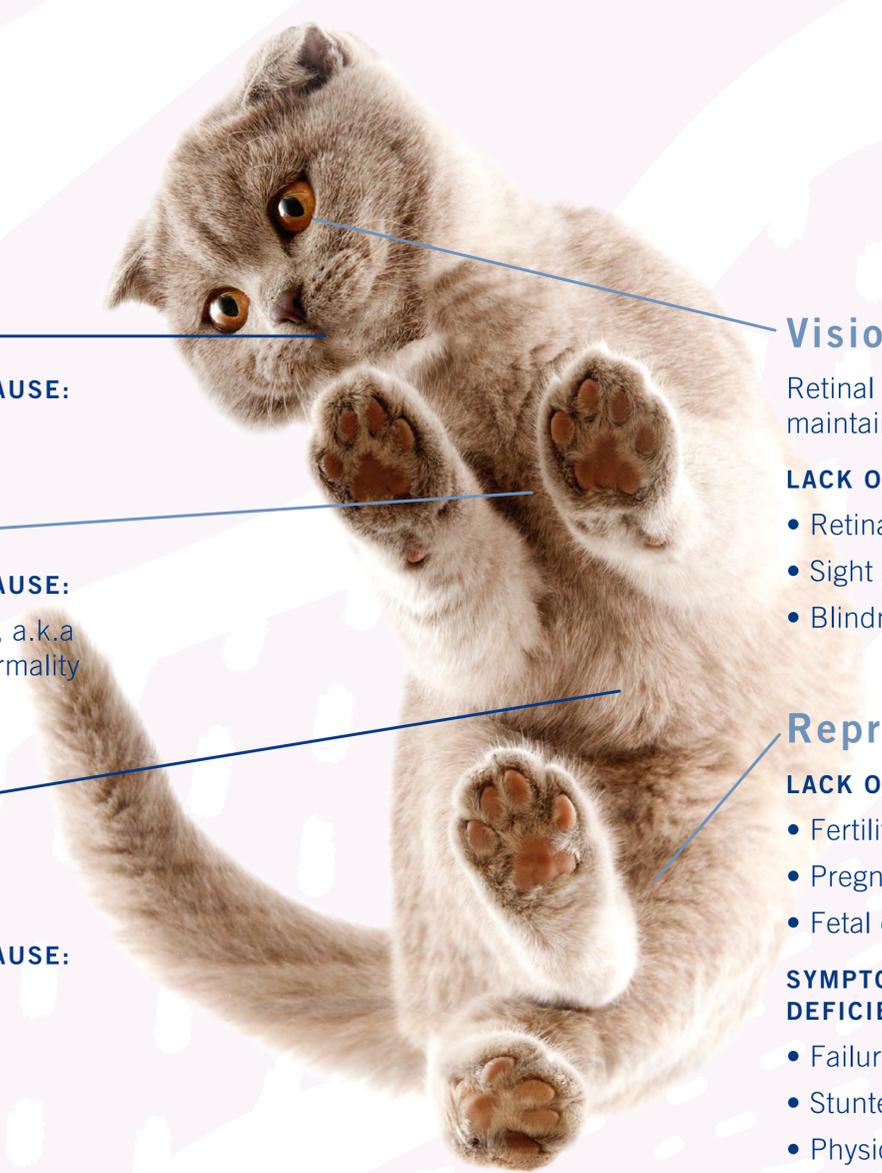
Reproduction

LACK OF TAURINE AFFECTS:

- Fertility
- Pregnancy
- Fetal development

SYMPTOMS OF TAURINE DEFICIENCY INCLUDES:

- Failure to thrive
- Stunted or delayed grown
- Physical abnormalities



How we can help: **VERIFY TAURINE CONTENT.**

Samples of complex matrices such as pet foods and meats are analyzed with an HPLC (high-performance liquid chromatography) method. The samples are weighed, have internal standard added along with de-ionized water and hydrochloric acid, are mixed and put in an oven overnight. The samples are removed from the oven the next day, filtered, transferred into vials and placed on the HPLC instrument for analysis. The HPLC produces a chromatogram, which can be integrated to produce a result for total taurine in the tested sample.



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