ADIVA® Hepatic Dog

FREE OF INGREDIENTS OF ANIMAL ORIGIN

Complete Dietary Supplement for Dogs to Support Normal Hepatic Function Formulated in Highly Palatable Vegetarian Chews

Introduction

One of the main functions of the liver is the detoxification and metabolism of endogenous and exogenous substances. Hence, liver cells are potentially exposed to many toxins. Oxidative stress and free radical damage are increased in hepatobiliary diseases, playing an essential role in most liver damage.

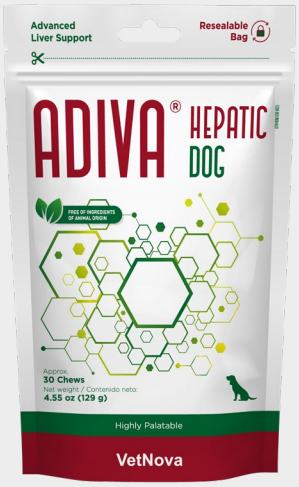
Increased plasma levels of liver enzymes are a nonspecific finding in biochemical analysis, common in many chronic and acute processes. They may be an indicator of liver damage or disease, but it is often not easy to reach a definitive diagnosis. Even so, it is important to try to preserve hepatic functionality by promoting all detoxification processes and helping to protect liver tissue from free radical damage. Supplements with hepatoprotective action promote the natural defense mechanisms of the hepatocytes.

Glutathione, Vitamin E and ascorbate are some of the antioxidant mechanisms available to hepatocytes to protect against the action of free radicals. Glutathione is a tripeptide made up of cysteine, glycine and glutamine, whose mitochondrial levels are rapidly reduced in the presence of liver damage. One of the limiting factors for its synthesis is the availability of cysteine.

Active ingredients per 4.3 g chew	
Silybum marianum (Milk thistle) seed extract / phosphatidylcholine complex	50 mg
Curcuma longa (Turmeric) root extract / phosphatidylcholine complex	50 mg
Cynara scolymus (Artichoke) leaf extract	50 mg
Betaine	500 mg
Cysteine	75 mg
Thiamine (Vitamin B_1)	30 mg
Riboflavin (Vitamin B_2)	1.5 mg
Pyridoxine HCl (Vitamin B_6)	0.4 mg
Folic Acid (Vitamin B_9)	70 µg
Cyanocobalamin (Vitamin B_{12})	20 µg
d-alpha tocopheryl acetate (Vitamin E)	50 IU
Zinc (Zn Proteinate)	10 mg

Inactive ingredients

Arabic gum, brewer's yeast, calcium sulphate, citric acid, citrus pectin, glycerine, maltodextrin, mixed tocopherols, oat flour, propionic acid, rosemary extract, safflower oil, silicon dioxide, sodium alginate, sorbic acid, soy lecithin, vegetable flavor, vegetable oil.



For dogs

Characteristics

- Unique formula of **12 ingredients** that act synergistically.
- **Highly palatable chews to improve compliance.**
- **Free of animal origin ingredients to minimize food allergies.**
- Curcumin and silybin in **phytosome form for increased availability**.
- Supports metabolism and liver detoxification functions.
- Helps to maintain liver functionality.
- Powerful antioxidant - Protects the liver from free radical damage.
- Supports the production of Glutathione and SAMe.
- Promotes tissue repair and regeneration for normal liver function.
- **Does not require fasting** - Can be administered with food.
- Compatible with hepatic diets.

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Mechanism of action

- **Phytosomes** are obtained from a process by which a standardized plant extract or its components are bound to phospholipids (mainly phosphatidylcholine) to obtain a complex with a higher bioavailability. Some of the most widely studied phytosomes are those of curcumin and silybin.
- **Curcumin** promotes glutathione synthesis and helps in hepatic detoxification by reducing free radicals and promoting the body's antioxidant systems. It has also been observed to support a healthy inflammatory response and may increase bile flow and solubility.
- **Silybin** is one of the most active constituents of those present in *Silybum marianum* (Milk thistle) which, together with others, forms the complex known as Silymarin. It acts as an antioxidant, cellular regeneration stimulant and antifibrotic.
- The leaves of ***Cynara scolymus*** **(Artichoke)** are a great source of bioactive polyphenols, which have a great antioxidant and hepatoprotective activity. It also contains **Cynarin**, a compound that promotes bile production and also supports a healthy inflamatory response.
- **Betaine** provides methyl groups for the conversion of homocysteine to methionine, supporting the production of SAMe.
- **Cysteine** is a key amino acid in the production of glutathione and helps in liver detoxification.
- **B Vitamins** are necessary for liver metabolism. Folic acid, Vitamins B_{12} and B_6 are involved in the metabolism of methionine and help to regulate homocysteine metabolism.
- **Vitamin E** is a powerful antioxidant that protects hepatocyte membrane lipids from oxidation.
- **Zinc** acts as an antioxidant by inhibiting lipid peroxidation and helps to protect the liver against fibrosis. The combined use of Vitamin E and Zinc produces a synergistic action against some types of lipid peroxidation. Zinc and Vitamin E can be useful in cases of hepatic copper accumulation.

Cautions

If animal's condition worsens or does not improve, stop product administration, and consult your veterinarian. Safe use in pregnant animals or animals intended to breed has not been proven. Store container tightly closed at room temperature and away from direct sunlight.

Recommended uses

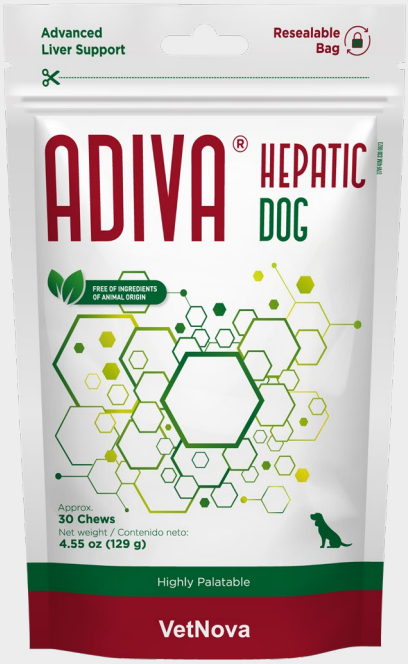
- Situations affecting liver health in dogs.
- Senior and geriatric dogs.
- Exposure to substances harmful to the liver.
- Maintenance of liver function and health, favoring the functions of detoxification, protection and regeneration of liver tissue.

Directions for use

1 chew for up to 30 lbs once a day or divided into two doses (morning and night).

The duration of treatment should be assessed by the veterinarian in each case.

Presentation 30 chews



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