

LIVER SUPPORT

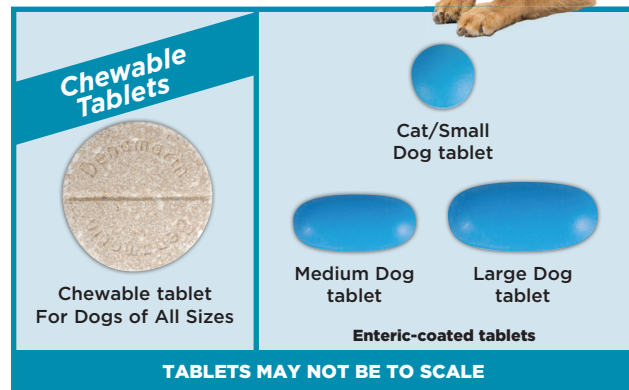


CAN DENAMARIN® BE USED WITH OTHER PRODUCTS?

Yes, there are **no known interactions** of Denamarin® with any medications or other supplements. Always consult with your veterinarian about the use of Denamarin® with medications or other supplements your pet may be taking.

ARE THERE ANY KNOWN SIDE EFFECTS WITH DENAMARIN®?

Research has shown **limited side effects** in dogs and cats from the administration of the ingredients in Denamarin®. The active ingredients in Denamarin® have been shown to be **well-tolerated** by both dogs and cats. However, rarely some gastro-intestinal upset may be seen. If this occurs, contact your veterinarian.



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nUTRAMAX
LABORATORIES
VETERINARY SCIENCES, INC.

Denamarin®

FOR DOGS & CATS



DID YOU KNOW

THE LIVER IS ONE OF THE LARGEST ORGANS IN THE BODY?



The liver is part of the digestive system and performs many functions essential for your pet's well-being.

These functions include:

- producing a vast number of hormones, enzymes and proteins
- removing toxins and waste products from the bloodstream
- supporting the immune system
- aiding in digestion
- storing energy



HOW WILL I KNOW IF MY PET NEEDS ADDITIONAL LIVER SUPPORT?

When liver function is compromised, the exact cause can often be difficult to determine. Pets may exhibit vomiting, diarrhea and being less active for a number of reasons. Your veterinarian will do a physical exam and check your pet's liver enzymes by testing some of your pet's blood.

WHAT IS DENAMARIN®?

A liver health supplement that combines bioavailable S-Adenosylmethionine (SAME) and Silybin for liver support and protection.

HOW DOES DENAMARIN® SUPPORT LIVER FUNCTION?

Denamarin® provides SAME, a compound that plays a critical role in several metabolic pathways, including the transsulfuration pathway which increases liver glutathione levels. Glutathione is a potent antioxidant and the liver's first line of defense against oxidative damages. It has been shown that when the liver is not functioning properly, levels of this protective glutathione antioxidant drop.

In addition to glutathione, SAME is required for methyl transfer reactions needed for DNA, RNA, proteins, hormones and neurotransmitters in the transmethylation pathway, and is critical for cell growth and DNA/RNA stability in the aminopropylation pathway. The proper functioning of all three pathways is vital to maintaining healthy liver function and overall health.

Denamarin® also provides Silybin, an active part of an extract from the milk thistle plant known as silymarin. Silybin supports liver function by acting as an antioxidant which helps protect cells from oxidative damage.

HOW DO I GIVE DENAMARIN®?

Denamarin® should be given at least one hour before, or two hours after, feeding your pet. The chewable tablets are scored and can be broken apart to administer the amount recommended by your veterinarian. The enteric-coated tablets should be given whole—do not break.



RECOMMENDED ADMINISTRATION GUIDE:

Enteric-coated Tablets		Chewable Tablets	
Body Weight Pounds (lbs) / Kilograms (kg)	# of Tablets Daily	Body Weight Pounds (lbs) / Kilograms (kg)	# of Tablets Daily
Cats and Small Dogs		Dogs of All Sizes	
up to 11 lbs / up to 5 kg	1	up to 6.6 lbs / up to 3 kg	1/4
over 11 lbs / > 5 kg	2	6.6 to 15.4 lbs / 3 to 7 kg	1/2
Medium Dogs		15.4 to 30.8 lbs / 7 to 14 kg	1
13.2 to 33 lbs / 6 to 15 kg	1	30.8 to 46.2 lbs / 14 to 21 kg	1 1/2
Large Dogs		46.2 to 59.4 lbs / 21 to 27 kg	2
35.2 to 66 lbs / 16 to 30 kg	1	59.4 to 77 lbs / 27 to 35 kg	2 1/2
66 to 121 lbs / 30 to 55 kg	2	77 to 92.4 lbs / 35 to 42 kg	3
over 121 lbs / over 55 kg	3	92.4 to 105.6 lbs / 42 to 48 kg	3 1/2
Denamarin®		over 105.6 lbs / over 48 kg	4