



QUALITY BY DESIGN · PRODUCTS FOR LIFE™

Marin®



Supporting
Liver Function in
Dogs and Cats

Marin[®]

Silybin • Vitamin E • Zinc*

WHAT IS MARIN?

Marin is a combination of ingredients providing a comprehensive approach to liver support. The active ingredients in Marin For Dogs are silybin, vitamin E, and zinc, while the active ingredients in Marin For Cats are silybin and vitamin E.

HOW CAN MARIN HELP MY PET'S LIVER?

Silybin is the most active part of an extract known as silymarin. Silybin/silymarin has been shown to support liver function by acting as an antioxidant. This means that it helps to counteract or protect against the harmful effects on the liver of "reactive" oxygen compounds. Silybin helps the flow of bile through the liver. Bile contains digestive enzymes along with other substances and aids in digestion and absorption of nutrients from your pet's diet. Additionally, it may support levels of a substance called glutathione, which is the liver's major "detoxifying" agent.

Vitamin E is an antioxidant that has also been shown to help protect liver function.

Zinc supplementation may be beneficial in dogs with long-term decreased liver function as these dogs often have low liver zinc levels. Zinc also has antioxidant effects. Zinc participates in many enzymatic reactions within the body, and any deficiency may have harmful effects. Zinc is not in Marin For Cats as deficiencies have not been noted in cats.

HOW WILL I KNOW IF MARIN IS HELPING MY PET?

Your veterinarian will likely recommend follow-up examinations, blood work, and/or other laboratory work to check on how well your pet is doing with Marin and how it is helping your pet's liver function. At home, watch for improvements in attitude, appetite, and activity level.

HOW DO I GIVE MARIN TO MY PET AND HOW MUCH SHOULD I GIVE?

Marin For Dogs is formulated in a tasty chewable tablet that may be given as a treat or crumbled & mixed with food. Marin For Dogs tablets are scored, which allows for easier splitting of tablets as recommended in the administration guide. Marin For Dogs is available in two convenient strengths: one for small to medium dogs and one for large dogs. Marin For Cats is available as a small flavored tablet. Tablets may be administered intact or crumbled and given over food. Recommended administration amounts are provided on the next page.

*Marin for Cats does not contain zinc.

DAILY ADMINISTRATION GUIDE:

Marin® For Dogs:

Body weight (pounds)	Marin For Dogs (for small to medium dogs)	Marin For Dogs (for large dogs)
Under 10	1/4 tablet	
10-19	1/2 tablet	
20-35	1 tablet	
36-54		1/2 tablet
55-99		1 tablet
Over 100		1 1/2 tablets

Marin For Cats:

Body weight (pounds)	Marin For Cats
Up to 14	1 tablet
Over 14	2 tablets

During the initial 4-6 week period, your veterinarian may recommend doubling the administration level of Marin. After this initial loading period, administration level may be lowered, depending on your pet's response, to coincide with the above guides.

HOW LONG SHOULD I CONTINUE TO GIVE MARIN?

Marin is often given for an extended time to continue the benefits to your pet's health. Based on your pet's response, your veterinarian will provide you with specific advice on how long your pet needs to take Marin.

ARE THERE ANY INTERACTIONS BETWEEN THE INGREDIENTS IN MARIN AND OTHER PRODUCTS?

There are no known interactions between Marin's ingredients and any drug or other supplement. In some cases your veterinarian may recommend giving Marin with a product known as Denosyl® or Denamarin™. If you have any concerns or questions regarding interactions with Marin, check with your veterinarian. For information on Denosyl, go to nutramaxlabs.com.

DO THE INGREDIENTS IN MARIN CAUSE ANY SIDE EFFECTS?

There are no known side effects with silybin/silymarin in dogs or cats. Vitamin E is also well-tolerated in recommended amounts. Zinc is usually well-tolerated when given in recommended amounts, though occasionally gastrointestinal upset may be seen; therefore, to minimize the possibility of any zinc sensitivity in some dogs, it is recommended that Marin For Dogs be given on a full stomach. There are no known contraindications to the use of the ingredients in Marin. Please see package insert for more detailed information on Marin.

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FROM THE MAKERS OF
COSEQUIN[®]

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* Marin for Cats
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