

Denamarin[®] *Advanced*

Liver Health Supplement



Why Use Denamarin[®] Advanced?

Utilizing the latest SAME innovation, our propriety NMXSS75A™ SAME salt has better bioavailability compared to original Denamarin[®] NMXSS75[®] and is therefore absorbed quicker.

- Provides optimal liver support
- Easy to administer tablets
- Can be administered with less than 1 tbsp of food if needed
- Lower administration levels at 8 mg/kg/day compared to original Denamarin[®] at 20 mg/kg/day
- Exclusive dispenser pack designed for in-clinic use

Denamarin*Advanced.com*

To learn more about Denamarin[®] Advanced, contact your Nutramax Laboratories Veterinary Sciences, Inc. sales representative. Our customer service and technical advisors are available Monday thru Friday 8:30 am to 5:00 pm eastern time at 888-886-6442.



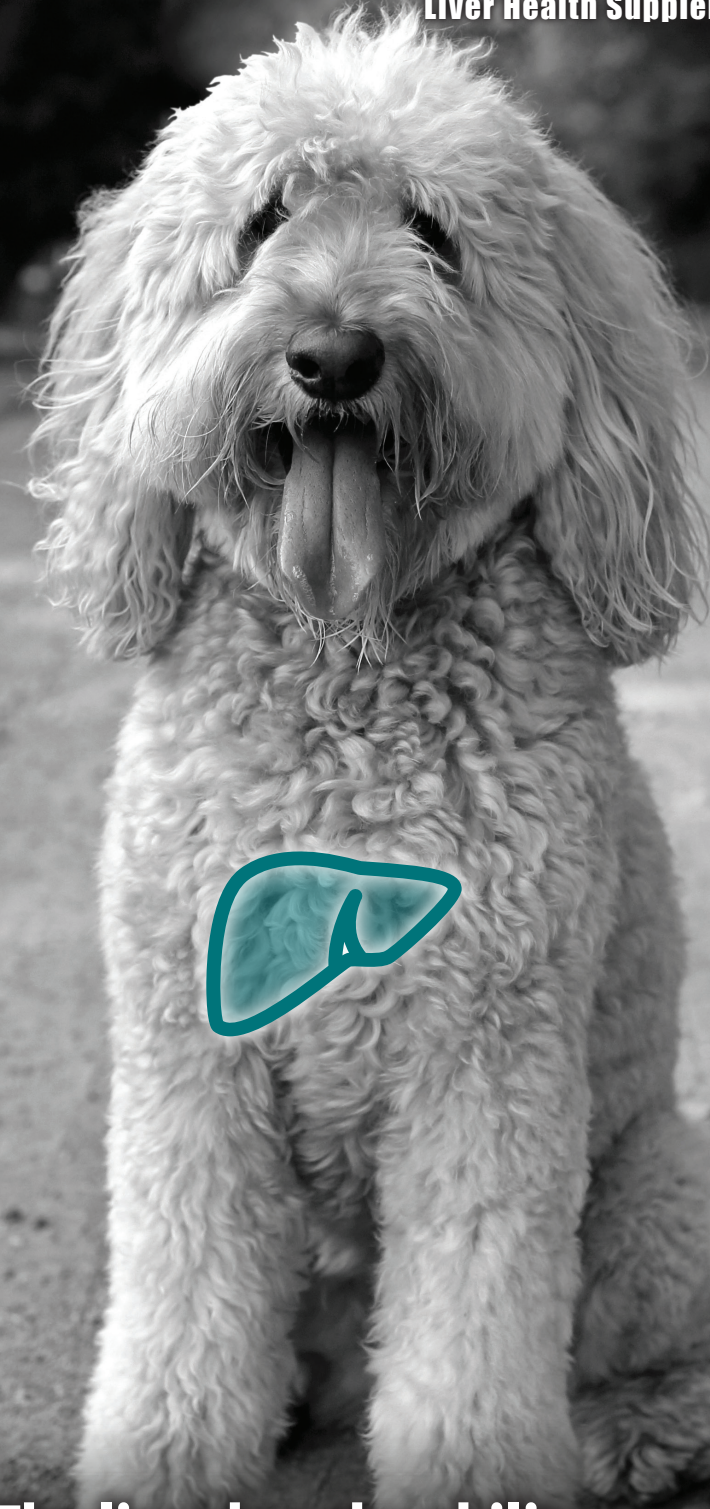
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Denamarin[®] *Advanced*

Liver Health Supplement



The liver has the ability to:

- Secrete Bile
- Make Proteins for Blood Clotting
- Synthesize Hormones
- Filter the Blood
- Detoxify Chemicals
- Metabolize Drugs

Our advanced formula provides S-Adenosylmethionine (SAME) and Silybin A+B!

The Ability of SAME

A deficiency of SAME may indicate or contribute to abnormalities of cellular structure and function in the liver.

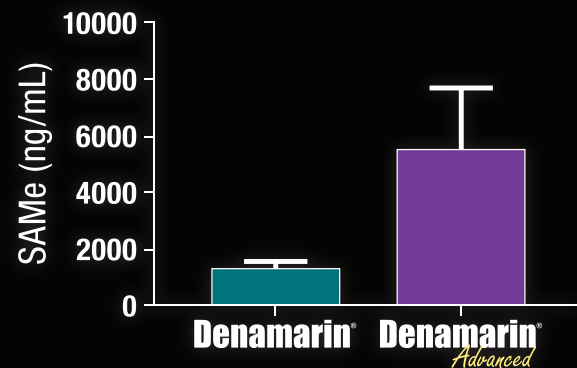
SAME has been shown to:

- Protect liver cells from death
- Protect red blood cells from oxidative stress
- Increase levels of glutathione
- Support cell membrane fluidity

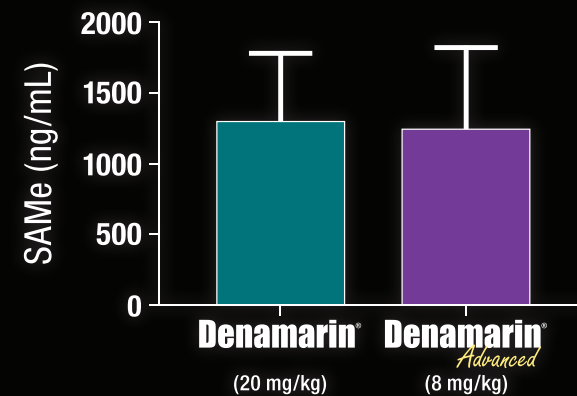
Initial pharmacokinetic research showed that the NMXSS75A™ S-Adenosylmethionine in Denamarin Advanced has **greater bioavailability** compared to the NMXSS75® S-Adenosylmethionine when used at the same dose.

Further research showed that administration of the NMXSS75A™ S-Adenosylmethionine at a reduced level of **8 mg/kg/day** provided comparable C_{MAX} levels as administration of NMXSS75® S-Adenosylmethionine at 20 mg/kg/day.

Canine Plasma SAME Cmax:



Canine Plasma SAME Cmax:



The Ability of Silybin

Silybin is an active part of an extract from milk thistle, known as silymarin, that has been shown to support liver function by helping maintain a healthy oxidative balance.

Silybin also:

- Supports liver cell regeneration
- Stimulates production of hepatoprotective bile salts
- Inhibits inflammatory mediators
- Stimulates biliary flow

The Silybin A+B in Denamarin is in a phosphatidylcholine complex which increases bioavailability, reaching levels up to 4 times higher in dogs than 80% standardized milk thistle alone.

Denamarin® Advanced

Now available in two forms:



CHEWABLE TABLETS

- Wider dosing range per chewable tablet
 - Scored for accurate administration
- Smaller, less bitter chewable tablets
- Available in two dispensing sizes:
 - Small to medium dogs (7-50 lbs)
 - Medium to large dogs (50 lbs and over)
- Non-internet friendly packaging
 - Convenient 30 count bottles in four bottle dispensing cartons



HARD TABLETS

- Because NMXSS75A™ S-Adenosylmethionine has greater stability, **enteric coating is no longer required:**
 - Does not contain any dyes
 - By removing the enteric coating, hard tablets may provide a more consistent absorption
- No need to change administration routine
 - Same number of tablets per administration as regular Denamarin®
 - Available in the same three dispensing sizes:
 - Cats (all sizes) and small dogs (up to 12 lbs)
 - Medium dogs (12-34 lbs)
 - Large dogs (35 lbs and over)
- Non-internet friendly packaging
 - Convenient 30 count bottles in four bottle dispensing cartons



*Source: Survey conducted among small animal veterinarians who recommended liver support brands.