

# HepaSyn™ Vet

A CONCEPT BEYOND  
BOUNDARIES  
*for*  
HEPATIC DISORDERS

HepaSyn™ Vet is a unique blend of Carnitine hydrochloride adequately supplemented with Sorbitol Magnesium and Vitamin B<sub>12</sub>



## HepaSyn™ Vet

is a perfect combination of Sorbitol, Carnitine Hydrochloride, Betaine, Choline Chloride, Vitamin B<sub>12</sub> and Magnesium to Correct Liver Disorders in Poultry, Large and Small Animals

**VXL Animal Health & Nutrition Inc.**

*a wholly owned subsidiary of*



Vee Excel Drugs & Pharmaceuticals Inc., USA

Animal / Poultry Feed Supplement

For Veterinary Use Only

Not for Human / Medicinal Use

HepaSyn™ Vet

# HepaSyn™ Vet

A CONCEPT BEYOND  
BOUNDARIES  
*for*  
HEPATIC DISORDERS

HepaSyn™ Vet is a combination of compounds aimed at optimisation of the liver function and prevention and correction of fat deposits. Free fatty acids are partly metabolised in the liver to form triglycerides, which may be stored in the hepatocytes causing fatty liver when an imbalance exists among uptake, synthesis, export and oxidation of fatty acids. Carnitine, betaine, choline and D-panthenol are key metabolites involved in these processes, affecting the influx of free fatty acids to the liver, free fatty acid  $\alpha$ -oxidation, the hepatic secretion of triglycerides and lipid peroxidation.

Carnitine is an amino acid derivative, synthesized in vivo from methionine and lysine. Its main function is to facilitate lipid oxidation by transporting long-chain fatty acids into the inner mitochondria region where they undergo  $\alpha$ -oxidation. Consequently, in case of carnitine deficiencies, most of the dietary lipids may not be used as an energy source and accumulate in the animal's body leading to unwanted fat deposits. In addition, it aids in the removal of short- and medium-chain fatty acids that accumulate in mitochondria as a result of normal or abnormal metabolism. Depending on the dietary adaptation to carnitine and the nature of the diet fed, carnitine is degraded to some extent in ruminal fluid.

Cyanocobalamin (vitamin B<sub>12</sub>) assist in various metabolic processes, most notably the formation of red blood cells, and stimulates protein, carbohydrate and fat metabolism.

Magnesium has an important function as a constituent of enzymes involved in the synthesis and metabolism of carbohydrates, lipids, proteins, and nucleic acids.

Sorbitol acts as an osmotic laxative in order to facilitate the elimination of toxic products from the gastrointestinal tract.

HepaSyn™ Vet is a dietetic liquid supplement formulated to correct L-carnitine deficiencies and associated disorders in fatty acid metabolism. It stimulates proper fat utilization and energy metabolism in calves, cattle, horses, sheep, goats, poultry and swine, and may be useful as an adjunctive therapy in hepatic lipidosis.

**Recommended Usage Levels:** For oral administration only  
Cattle and horses : 3 to 4 ml per 40 kg body weight for 5-7 days.  
Sheep, goats and calves : 3 to 4 ml per 20 kg body weight for 5-7 days.  
Poultry and swine : 1 Lt per 2000 litre of drinking water for 5-7 days.  
There is no withdrawal period & no undesirable effects observed when the prescribed usage regimen is followed.

#### Presentation

1 Lt.  
Pet Bottle

5 Lt. & 30 Lt.  
HDPE Jar

## VXL Animal Health & Nutrition Inc



Vee Excel Drugs & Pharmaceuticals Pvt. Ltd.

An ISO 9001:2000 & WHO GMP Certified Company

703, Devika Towers, Chander Nagar, NCR of Delhi - 201011

Customer Care no. +91 120 2619190

Customer Care Email: globalmarketing.ahn@vxldrugs.com

Animal / Poultry Feed Supplement

For Veterinary Use Only

Not for Human / Medicinal Use

HepaSyn™ Vet