APPENDIX

FELINE HP ST/OX HEPATIC MANAGEMENT™

Complete dietetic dry pet food for adult cats for the support of liver function in the case of chronic liver insufficiency.

RECOMMENDED FOR & NOT RECOMMENDED FOR

- ✓ Liver failure
- ✓ Cholangitis/Cholestasis/Hepatitis
- ✓ Portosystemic shunt
- Hepatobiliary neoplasia
 - √ Hepatic copper accumulation
 - √ Hepatic encephalopathy



- Hyperlipidemia
- Hepatic lipidosis (except when associated with hepatic encephalopathy)







1.5 kg

KEY BENEFITS



High energy

to help maintain a positive energy balance



Adapted level of protein

to help maintain body weight, reduce accumulation of toxins and maintain liver function



High palatability

to encourage consumption and prevent malnutrition

ADDITIONAL BENEFITS & CHARACTERISTICS

Helps reduce ammonia reabsorption and production in the large intestine Increased levels of dietary fibres. Added prebiotics (dried chicory root)

increased levels of dietally libres. Added prebiotics (dired chicoly loc

Low copper to help reduce hepatic accumulation Low copper level

Helps counteract some nutritional deficiencies that may occur in liver disease Increased zinc levels

$He patosupportive \, and \, slows \, progression \, of \, he patic \, disease$

Contains antioxidant vitamins C and E

Long-chain omega-3 fatty acids to help maximise natural anti-inflammatory processes

0.55% of energy coming from EPA and DHA

APPENDIX

FELINE HP ST/OX HEPATIC MANAGEMENT™

COMPOSITION

Corn", dried chicken protein", pork fat, pea protein", digest", corn protein meal", dried beet pulp", dried chicory root, dried egg", minerals, fish oil.

Protein sources.

KEY NUTRIENT VALUES*	
Moisture	6.5%
Protein	28.0%
Fat - Omega-6 fatty acids - Omega-3 fatty acids	22.0% 3.1% 0.5%
Carbohydrate	35.0%
Crude fibre	2.0%
Crude ash	6.5%
Vitamin E	609 IU/kg
Copper	0.5 mg/100g
Zinc	23.3 mg/100g
Linoleic acid	2.8%
Arachidonic acid	0.10%
Sodium	0.2%
Metabolisable energy (ME) ¹	424 kcal/100g

^{*} Typical analysis in the final product as fed.

FEEDING GUIDELINES

The recommended period of use is initially up to 4 months but the diet can be used long-term where appropriate, under veterinary supervision. Water should always be available.

ADULT MAINTENANCE	
Body weight (kg)	Daily feeding quantity (g/day)
2	25
3	40
4	55
5	65
>5	+ 15 g per additional kg of BW

¹ Calculated following NRC 2006 equations.

FELINE HP ST/OX HEPATIC MANAGEMENT™

THE ROLE OF DIET IN FELINE HEPATIC DISEASE

Because the liver is central to the digestion, absorption, metabolism and storage of many nutrients, nutritional support is fundamental in the management of cats with hepatic disease.

PROVISION OF A HIGHLY PALATABLE HIGH ENERGY DIET

Chronic liver disease cause malnutrition due to impaired nutrient intake associated with anorexia



and nausea, and due to maldigestion and malassimilation of food often associated with hepatic fibrosis and portal hypertension¹. Malnutrition has been proven to have a significant negative impact on the outcome of hepatic patients², and preventing malnutrition and maintaining optimal body weight should be major nutritional goals of a hepatic diet. This is achieved by provision of a highly palatable, high energy diet.

PROVIDE ADEQUATE PROTEIN TO PRESERVE MUSCLE MASS

Reduced liver function can also lead to a decline in stored hepatic alvcoaen and lipids, necessitating the catabolism of muscle protein in order to meet ongoing energy needs. Given that approximately 50% of body ammonia is temporarily stored in muscle. and muscle is the primary site of ammonia detoxification outside the liver, muscle catabolism can potentiate hyperammonaemia and hepatic encephalopathy3. Therefore another important goal of nutritional management of liver disease should be to provide adequate protein to preserve muscle mass whilst not exceeding the liver's capacity to prevent the accumulation of toxic metabolites and consequent hepatic encephalopathy.

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FACILITATE HEPATIC CELLULAR REGENERATION

A third goal when nutritionally managing feline hepatic disease should be to facilitate hepatic cellular regeneration by providing nutrients which are hepatoprotective (e.g. zinc⁴), ameliorate inflammation (e.g. long chain omega-3 fatty acids⁵) and help reduce oxidative damage⁶ (e.g. antioxidants such as vitamins C and E).

Vit E

HEPATIC DISEASE IN CATS



CLINICAL ADVANTAGES WITH THE USE OF FELINE HP ST/Ox HEPATIC MANAGEMENT™

Feline HP s_T/O_X Hepatic Management™ is specifically designed to meet the precise needs of cats with liver disease:

Highly palatable to encourage consumption, promote good patient compliance and prevent malnutrition.





High energy density diet adapted to the hypercatabolic state to help maintain body weight and prevent excessive tissue catabolism.

Selected sources of protein and adapted levels to reduce accumulation of toxins and maintain liver function.



Low copper level to reduce hepatic accumulation.

Antioxidants (Vitamin C and E) to protect hepatic tissue and to slow progression

Added dietary fibre and prebiotics (chicory root) to help reduce ammonia reabsorption and production in the large intestine.

Fortified with zinc to help reduce the risk of depletion which may occur in liver disease.



of hepatic disease.

Long chain omega-3 fatty acids to counteract inflammation.

The reassurance of a diet that reduces the risk of urinary stones formation (ST/Ox security).

