

URINARY SUPPORT FORMULA FOR ADULT CATS



Key Research Findings and Supporting Studies

Diamond CARE pet foods are designed based on proven research and carefully curated studies. This document is a synopsis of the key findings that guided the formulation of Diamond CARE Urinary Support Formula for Adult Cats.

Feline lower urinary tract disease is common in household cats.

According to Nationwide Pet Insurance, bladder or urinary tract disease is the number one reason cats visited the veterinarian in 2017.¹

Nutritional management is recommended to manage FIC (feline idiopathic cystitis), struvite crystals and calcium oxalate crystals.²

In cats, urine characteristics and composition are directly related to diet.³

Reducing urine pH helps support a healthy urinary tract.

To prevent struvite crystals in cats, a reduced pH is recommended.²

Struvite crystal formation can be controlled by reducing urine pH, which interferes with the ability of phosphate ions to bind with magnesium in the urine.⁴

Feline urine pH can be lowered by adding acidifying agents to the diet.⁵

Controlled mineral content helps reduce minerals in the urine to prevent crystal and stone formation.

Cats fed foods higher in magnesium have shown an increased risk of struvite uroliths.⁶

Foods high in phosphorus have been associated with increased incidence of struvite urolithiasis.⁶

Omega-3 fatty acids from marine sources have anti-inflammatory effects throughout the body.

For management of feline lower urinary tract disease, the recommended range of total dietary omega-3 fatty acids is 0.35 to 1.0% DM.²

Long-chain fatty acids such as EPA and DHA have powerful anti-inflammatory properties.²

EPA and DHA are incorporated into the cell membranes in the urinary bladder, where they may alter production of inflammatory mediators present in cases of bladder inflammation.²

Antioxidants help support a healthy immune system.

Vitamin E in the diet reduces circulating alkenals (markers of oxidation, which damages healthy cells).⁷

Dietary vitamin E supplementation supports the function of lymphocytes.⁸

Antioxidants may help prevent urolith formation in cats.²

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