Methio-Form®

Chewable DL-Methionine for cats and dogs.

Advantages

• Palatable fish-flavor base

• Proven effective for struvite urolith dissolution

• A single 500-mg Methio-Form tablet per day will double the hydrogen ion concentration (acidity) of male feline urine

• Scored tablets permit easy, accurate administration

• Helps control urine odor in male cats

Methio-Form is a palatable, dose controlled urine acidifier for both cats and dogs. Owners are now able to reliably increase the acidity of pet urine without the need to purchase expensive specialty diets and monitor consumption.

Methio-Form may aid in the prevention of FLUTD and has shown efficacy in the medical dissolution of struvite uroliths. Indicated for extended term use, Methio-Form helps support life-long urinary health: safely and economically.
Therapeutic Diets

Whenever viable, a therapeutic approach to struvite dissolution is a typical first step. A calculolytic diet, although not recommended for kittens, pregnant or lactating animals or those with hypertension, heart or renal failure, can be effective. Dissolution time varies, but generally falls in the range of 60-90 days. Continuation of the diet is also recommended for an additional 30 days beyond radiological confirmation of dissolution. Calculolytic diets are not, however, considered a maintenance diet. Manufacturers, including Hill’s Pet Nutrition, state that such diets should not be fed for more than six consecutive months. This approach therefore is not a viable option in the prevention of recurrence. Although these diets successfully dissolve struvites, complacency is a frequent challenge. Whether the result of the cat’s refusal to eat, non-elimination of other food sources, or affordability, without strict adherence, dietary management will fail.

Therapeutic Nutrition – Methio-Form

An alternative approach to a restrictive calculolytic diet can be found in effective nutritional supplementation. Through the natural process of methionine metabolism, Methio-Form provides for continuous supplemental sulfuric acid excretion into the urine. With regular supplementation, this ensures a stable environmental, regardless of dietary consumption. Because long-term Methio-Form supplementation is safe and inexpensive, it is an ideal tool to initiate medical dissolution therapy as well as ongoing nutritional support toward the prevention of struvite recurrence.

Canine Struvite Urocystolithiasis

Based on admissions data from 24 schools of veterinary medicine between 1981 and 1998, the Veterinary Medical Data Base (Purdue University) reported an incidence of lower urinary tract disease in 3% of dogs. The third most common diagnosis, urolithiasis, accounted for 18% of admissions. Because long-term Methio-Form supplementation is safe and inexpensive, it is an ideal tool to initiate medical dissolution therapy as well as ongoing nutritional support toward the prevention of struvite recurrence.

Feline Lower Urinary Tract Disease (FLUTD)

The overall prevalence of FLUTD in the United States has been estimated at approximately 5% over the last thirty years. Based on the 2007 AVMA U.S. pet ownership survey,1 such prevalence would equate to nearly four million affected cats in this country annually. Although the majority of cases are still classified as idiopathic, a growing percentage, perhaps as much as 20%, appear to be associated with true (macroscopically visible) uroliths. According to a study conducted at the Minnesota Urolith Center, struvite (magnesium ammonium phosphate) uroliths represented 76% of feline struvites in 1981. After more than two decades of decline, attributed to pet food manufacturer formulation changes, struvite prevalence began increasing again in the early 21st century. Recent Minnesota Urolith Center data estimate struvites comprise more than 48% of total feline uroliths making them, once again, the most common form of uroliths identified in cats. This trend was also confirmed in an independent California study over a similar time period.

Most struvites in cats are, however, not associated with an underlying urinary tract infection. Diagnosis of sterile struvites do not appear to be definitively associated with any sex predisposition, but are more commonly seen in female, foreign shorthair, Ragdoll, Chartreux, Oriental shorthair, domestic shorthair and Himalayan breeds.2 Recent findings also indicate that struvite uroliths are more common than calcium oxalate uroliths in kittens younger than seven years of age.3 And although the role of magnesium remains unclear,4 alkaluria and low urine volume do appear associated with feline struvite development.5

About Methio-Form

Methio-Form is a highly palatable, calculolytic, DL-methionine supplement for both cats and dogs. It is provided in dose-controlled, scored tablets for simple oral administration, according to the animal and indication needs.6

Typical Dosage Guidelines

Cats: 2.5 - 6.0 mg/kg
All Breeds: 1.5 - 3 tablets daily
Dogs: 2.0 - 4.0 mg/kg
Small Breeds (< 7 kg): 0.5-4 tablets daily
Medium Breeds (7-15 kg): 2-7 tablets daily
Large Breeds (15-30 kg): 4-13 tablets daily

*Do not administer to acidotic animals or those with severe liver, kidney or pancreatic disease.

References