



CANINE

INDICATIONS:

- Reduction of recurrence of metabolic uroliths (urate, xanthine or cystine).
- Maintenance diet (particularly indicated in breeds with a high risk of metabolic uroliths, e.g. Dalmatians)
- Nutritional support for dogs with leishmaniasis undergoing treatment with xanthine oxidase inhibitors (e.g. allopurinol)

CONTRAINDICATIONS:

- Pregnancy, lactation, growth
- Use of urine-acidifying drugs

FEEDING DURATION:

The duration of feeding is dependent on the cause of disease. For urate uroliths, Urinary U/C should be fed for at least 6 months. In the case of irreversible uric acid metabolic disorders, lifelong feeding is recommended. For cystine uroliths, Urinary U/C Low Purine can be fed for 1 year as a first-line management. Clinical re-assessment is essential before dietary support is extended.



• Low purine proteins (e.g. wheat flour and egg) combined with production of alkaline urine reduces the risk of urate stones.



• High levels of biotin, niacin and pantothenic acid, combined with the zinc-linoleic acid complex, reduce transepidermal water loss and support the skin's barrier function.



• A combination of moderate quantities of high quality proteins and restricted sodium level reduces the risk of formation of cystine stones.



• The synergistic antioxidant complex (vitamin E, vitamin C, taurine, lutein) neutralises free radicals and helps maintain health of DNA, cells and the immune system.

FURTHER INFORMATION:

Factors aiding prediction of uroliths in dogs		
	Urate	Cystine
Breed predisposition	Dalmatian English Bulldog Miniature Schnauzer Yorkshire Terrier	English Bulldog Dachshund Basset Hound Yorkshire Terrier
Sex	Males: 85% of cases	Males: 90% of cases
Mean age	1-4 years	1-8 years
Recommendations	Check liver function	

Cystine crystals

Cystine uroliths

Urate crystals

Urate uroliths

Adapted from Ling GV, Am J Vet Res 1998; 59: 630-642.

KEY VALUES:

Protein:	18%
Fat:	15%
Carbohydrate:	47.7%
NFE:	51.1%
Dietary fibre:	5.7%
Crude fibre:	2.3%
Metabolisable energy (C)*:	4,114 kcal/kg
Metabolisable energy (M)**:	3,950 kcal/kg
Omega-6:	2.98%
Omega-3:	0.61%
EPA & DHA:	0.30%
Calcium:	0.80%
Phosphorus:	0.60%
Sodium:	0.33%
Selenium:	0.15mg/kg
Magnesium:	0.06%
Chloride:	0.60%
L-carnitine:	200mg/kg
Urine pH:	7.0

Synergistic antioxidant complex:

Vitamin E:	600mg/kg
Vitamin C:	200mg/kg
Taurine:	2,000mg/kg
Lutein:	5mg/kg

INGREDIENTS:

Rice, maize flour, wheat flour, egg powder, animal fats, wheat gluten***, minerals, maize gluten, vegetable fibre, vegetable oils (soya, borage), fish oil, Fructo-Oligo-Saccharides (FOS), L-lysine, potassium citrate, taurine, marigold extract (source of lutein), L-carnitine.

***L.I.P. (Low Indigestible Protein): protein selected because of its very high assimilation

RECOMMENDED DAILY INTAKE:

It is recommended to divide the daily intake into 2 meals.

Dog's weight	thin		normal		overweight	
	grammes	cups	grammes	cups	grammes	cups
2kg	70	6/8	55	5/8	40	4/8
4kg	115	1 2/8	90	1	70	6/8
6kg	155	1 6/8	125	1 3/8	95	1
8kg	190	2 1/8	150	1 5/8	115	1 2/8
10kg	225	2 4/8	180	2	135	1 4/8
15kg	300	3 2/8	240	2 5/8	180	2
20kg	370	4	300	3 2/8	225	2 4/8
25kg	440	4 7/8	350	3 7/8	265	2 7/8
30kg	500	5 4/8	400	4 3/8	300	3 2/8
35kg	560	6 1/8	450	4 7/8	335	3 5/8
40kg	615	6 6/8	495	5 3/8	370	4
50kg	725	8	580	6 3/8	435	4 6/8
60kg	830	9 1/8	665	7 2/8	500	5 4/8
70kg	930	10 2/8	745	8 1/8	555	6 1/8
80kg	1025	11 2/8	820	9	615	6 6/8



2, 7.5 and 14kg bag

*According to ATWATER'S equation
**Measured by Royal Canin Research Centre



Actual size