

LOW FAT KANGAROO-MAINTTM (Dry)



Low Fat Kangaroo MAINT™ canine dry diets contain a limited number of highly digestible, low-fat ingredients that provide a nutrient profile that is appropriate for fat-intolerant diseases and suspected adverse reactions to food. Inclusion of low-fat kangaroo and low-fat sweet potato results in a nutritionally complete novel protein diet that is one of

the lowest fat therapeutic diets available. Antioxidants in the sweet potato help support the immune system while the optimal blend of fibre and inclusion of prebiotics (FOS) help maintain gastrointestinal health. Moderate phosphorus content facilitates use in allergic patients with concurrent IRIS stage 1 and 2, non-proteinuric renal disease.

Features:

- · Low fat
- Novel animal protein source (kangaroo)^{1,2}
- No animal fat, corn, or wheat (potential allergen sources)^{1,2}
- Moderately low phosphorus content (dry diet)
- High palatability
- · High quality protein for lean body mass
- High digestibility
- Optimal blend of fibre maintains gastrointestinal health
- Added prebiotics (fructooligosaccharides)³

Therapeutic Indications:

- Adverse reactions to food (dermatologic and gastrointestinal)¹⁻⁴
- Acute and chronic pancreatitis⁵⁻⁸
- Acute gastroenteritis⁹
- Protein-losing enteropathies (PLE) and lymphangiectasia^{3,10}
- Hyperlipidemia¹¹
- Gall bladder diseases, including mucocele¹²
- Patients with allergic or fat intolerant disease with concurrent IRIS stage 1-2 non-proteinuric renal disease^{13,14}

LOW FAT KANGAROO-MAINTTM (Dry)



WITH CHICKPEA FORMULA



INGREDIENTS (DRY WITH CHICKPEA):

Kangaroo, dried chickpeas, dried potatoes, potato protein, pea protein, dried peas, dried sweet potatoes, natural flavor, sunflower oil, (preserved with mixed tocopherols), coconut oil, calcium carbonate, dicalcium phosphate, salt, fructooligosaccharides, vitamins (vitamin E supplement, vitamin B12 supplement, niacin, d-calcium pantothenate, vitamin A acetate, biotin, riboflavin, thiamin mononitrate, vitamin D3 supplement, pyridoxine hydrochloride, folic acid), choline chloride, minerals (ferrous sulfate, zinc oxide, manganous oxide, copper sulfate, iron amino acid chelate, zinc amino acid chelate, manganese amino acid chelate, copper amino acid chelate, sodium selenite, cobalt carbonate, ethylenediamine dihydriodine), taurine, mixed tocopherols, rosemary extract.



NUTRITIONAL DETAILS (Calculated **) & AMOUNT/CUP:

Dry (3 kg & 11 kg)

ME: 3,333 kcal/kg as is; 3,622 dry weight

Approximate g/cup: 94

kcal/cup = 313

Percentage of Metabolizable Energy from:

0.43

0.38

0.0

6.4 mg

Protein 32.8% Fat 19.7%

Carbohydrates 47.5%

LOW-FAT KANGAROO MAINT™ WITH CHICKPEA FORMULA % Dry Matter g/1000 kcal **Nutrient** % As Is 33.9 93.6 Protein 31.2 Fat 7.7 8.4 23.2 2.4 Crude Fibre 2.2 6.6 Total Dietary Fibre 9.2 10.0 27.7 CHO-NFE# 45.3 49.2 135.9 0.79 2.2 Calcium 0.73 1.7 0.56 0.61 **Phosphorus** 1.3 1.4 3.9 Potassium Sodium 0.20 0.22 0.61

0.16

0.14

0.0

23.3 mg/kg

#Carbohydrate Nitrogen-Free Extract

Magnesium

Copper

Taurine

EPA/DHA*

0.14

0.13

0.0

21.4 mg/kg

LOW FAT KANGAROO-MAINTTM (Dry)



WITH QUINOA FORMULA



INGREDIENTS (DRY WITH QUINOA):

Kangaroo, quinoa, dried potato, potato protien, dried sweet potato, natural flavor, sunflower oil (preserved with mixed tocopherols), coconut oil, calcium carbonate, dicalcium phosphate, salt, fructooligosaccharides, choline chloride, vitamins (vitamin E supplement, vitamin B12 supplement, niacin, d-calcium pantothenate, vitamin A acetate, biotin, riboflavin, thiamin mononitrate, vitamin D3 supplement, pyridoxine hydrochloride, folic acid), taurine, minerals (zinc methionine complex, zinc sulfate, iron proteinate, ferrous sulfate, copper proteinate, copper sulfate, manganese proteinate, sodium selenite, manganous oxide, calcium iodate, ethylenediamine dihydroiodide), mixed tocopherols, rosemary extract.

NUTRITIONAL DETAILS (Calculated **) & AMOUNT/CUP:

Dry (3 kg & 11 kg) ME: 3,328 kcal/kg as is; 3,618 kcal/kg dry weight

Approximate g/cup: 99

kcal/cup = 330

Percentage of Metabolizable Energy from:

Protein: 32.6% Fat: 19.4%

Carbohydrates: 48.0%



^{*}Omega -3 fatty acids: eicosapentaenoic acid/docosahexaenoic acid

^{**}The values listed represent expected numbers and are based on thorough analysis of diet ingredients; some lot-to-lot variation due to ingredient-related factors is expected. Strict attention to nutrients of clinical concern is upheld with quality assurance analyses prior to product release.

LOW-FAT KANGAROO MAINT™ WITH QUINOA FORMULA				
Nutrient	% As Is	% Dry Matter	g/1000 kcal	
Protein	31.0	33.7	93.1	
Fat	7.6	8.2	22.8	
Crude Fiber	2.0	2.1	5.9	
CHO-NFE#	45.1	49.7	137.3	
Calcium	0.76	0.83	2.3	
Phosphorus	0.54	0.59	1.6	
Potassium	1.1	1.1	3.6	
Sodium	0.21	0.23	0.64	
Magnesium	0.13	0.14	0.40	
Copper	21.7 mg/kg	23.5 mg/kg	6.5 mg	
Taurine	0.13	0.15	0.41	
EPA/DHA*	0.0	0.0	0.0	

#Carbohydrate Nitrogen-Free Extract

FEEDING GUIDELINES:

- Always follow your veterinarian's instructions, as feeding amounts can vary by as much as 30% between dogs.^{15,16}
- Avoid free feeding (unless there is a specific medical reason); it may promote obesity over time, especially in spayed or neutered dogs.¹⁷
- The tables below can be used to estimate the amount to feed using the dog's optimum weight.
- Always introduce new foods gradually over 5-7 days by substituting larger amounts of the new food in place of the old diet.

Please see our website to locate our Feeding Calculator. The calculator can assist with caloric requirements, feeding volumes, and includes combinations of the wet and dry diets.

LOW FAT KANGAROO MAINT™ (Dry)				
WITH CHICKPEA FORMULA 313 kcal/CUP				
MAINTENANCE				
Weight Class		Cups to Feed Per Day		
LB	KG			
5 - 10	2.3 - 4.5	² / ₃ - 1		
10 - 20	4.5 - 9.1	$1 - 1^2/_3$		
20 - 30	9.1 - 13.6	1 2/3 - 2 1/4		
30 - 40	13.6 - 18.2	2 1/4 - 2 3/4		
40 - 50	18.2 - 22.7	2 3/4 - 3 1/4		
50 - 60	22.7 - 27.3	3 1/4 - 3 3/4		
60 - 70	27.3 - 31.8	3 3/4 - 4 1/4		
70 - 80	31.8 - 36.4	4 ¹ / ₄ - 4 ² / ₃		
80 - 90	36.4 - 40.9	4 ² / ₃ - 5		
90 - 199	40.9 - 45.5	5 - 5 ¹ / ₂		

LOW FAT KANGAROO MAINT™ (Dry)				
WITH QUINOA FORMULA 330 kcal/CUP				
MAINTENANCE				
Weight Class		Cups to Feed Per Day		
LB	KG			
5 - 10	2.3 - 4.5	1/2 - 1		
10 - 20	4.5 - 9.1	1-11/2		
20 - 30	9.1 - 13.6	1 1/2 - 2		
30 - 40	13.6 - 18.2	2 - 2 ² / ₃		
40 - 50	18.2 - 22.7	2 ² / ₃ - 3		
50 - 60	22.7 - 27.3	3 - 3 1/2		
60 - 70	27.3 - 31.8	3 1/2 - 4		
70 - 80	31.8 - 36.4	4 - 4 1/3		
80 - 90	36.4 - 40.9	4 1/3 - 4 3/4		
90 - 199	40.9 - 45.5	4 3/4 - 5 1/4		

Feeding guidelines are from the AAHA 2010 Nutritional Assessment Guidelines for Dogs and Cats. The tables should be used as a starting guideline and the actual amounts fed may need to be increased or decreased based on each dog's individual energy requirement. Energy requirements will vary depending upon such factors as age, breed, gender and neuter status, activity level, and underlying disease state.



^{*}Omega -3 fatty acids: eicosapentaenoic acid/docosahexaenoic acid

^{**}The values listed represent expected numbers and are based on thorough analysis of diet ingredients; some lot-to-lot variation due to ingredient-related factors is expected. Strict attention to nutrients of clinical concern is upheld with quality assurance analyses prior to product release.

COMPATIBLE WET DIET

Low Fat Kangaroo-MAINT wet diet is available and can be fed as a complete and balanced maintenance food or in combination with the Low Fat Kangaroo-MAINT dry diets.

COMPATIBLE TREATS

Rayne Rewards S.I.T. Kangaroo treats are appropriate in otherwise healthy patients throughout a corresponding elimination diet trial and in stable allergic or non-allergic patients. All Rayne Rewards jerky treats are single protein, aligned with the proteins used in Rayne diets. They undergo rigorous quality control to ensure purity. Rayne Rewards S.I.T. Every Dog Apple & Pumpkin biscuits are acceptable in stable allergic or non-allergic patients. Ensure that energy intake from treats does not exceed 10% of daily kcal intake and that the total kcal from treats is subtracted from the calculated daily kcal requirement when determining the volume of diet to be fed.¹⁹

NUTRITIONAL ADEQUACY STATEMENT

The canine Low Fat Kangaroo-MAINT dry diets have been formulated to meet the Association of American Feed Control Officials (AAFCO) nutrient requirements for maintenance of adult dogs.

RESEARCH & DEVELOPMENT TRIALS

Digestibility studies, amino acid analysis and taurine-uptake studies have been completed on the Canine Low Fat Kangaroo-MAINT (with chickpea) diet.

HELP

For veterinarians wanting to discuss individualized patient recommendations, obtain additional diet information, access the veterinary login or any other questions, please call or email for a consult. One of the Rayne clinical consult team members will be pleased to communicate with you: consults@raynenutrition.com or 1-800-816-1763.

References to support these clinical indications and aid client discussions about the benefits of these veterinary exclusive diets include:

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- 16. Subcommittee on Dog and Cat Nutrition, Committee on Animal Nutrition, National Research Council. Nutrient requirements of dogs and cats, 2006.
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- 18. Hensel, P. Nutrition and skin diseases in veterinary medicine. Clin Dermatol 2010;28 (6):686-693.
- 19. Fascetti AJ and Delaney SJ, Feeding the healthy dog and cat. In: Delaney SJ, Fascetti A (eds), Applied Veterinary Clinical Nutrition, Chichester, UK: Wiley-Blackwell, 2012:75-94.

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