APPENDIX

A complete dietetic pet food for adult dogs for the reduction of excessive body weight and for the regulation of glucose supply (diabetes mellitus).

RECOMMENDED FOR & NOT RECOMMENDED FOR

- √ Obesity and weight management
 - ✓ Weight loss for diabetic dogs
- √ Fibre-responsive diseases such as:
 - Constipation
 - Hyperlipidaemia
 - ✓ Fibre-responsive colitis
- Not suitable during pregnancy, lactation and growth
- Conditions associated with hypercatabolic state (advanced heart failure, CRI IRIS stages 3 and 4)



400 g

3 kg and 12 kg

KEY BENEFITS



High protein level

to help promote loss of fat while maintaining muscle mass



Low calorie diet

to help with weight loss



Glucose control

Low glycaemic index carbohydrate sources to help nutritionally manage diabetes mellitus

ADDITIONAL BENEFITS & CHARACTERISTICS

Helps promote effective and steady weight loss

Supported by a clinical trial on obese dogs1

Helps reduce caloric intake while maintaining satiety

High protein level and added fibre

Helps reduce post-prandial fluctuation in blood glucose

Low glycaemic index complex carbohydrate

Helps maintain optimal body weight after weight loss

The same diet can be fed for maintenance to reduce the risk of rebound obesity $% \left\{ 1\right\} =\left\{ 1\right\} =\left\{$

^{*} Dry OM formula

Clinical trial on 42 dogs, using a high protein formula, Nestlé PURINA®, 1999.

APPENDIX

CANINE OM OBESITY MANAGEMENT

COMPOSITION (DRY)

Corn*, soya meal*, dried poultry protein, barley*, wheat gluten, pea hulls*, cellulose, digest, minerals, pork fat.

Carbohydrate sources.

COMPOSITION (CAN)

Pork heart and liver, poultry heart and liver, cellulose powder, flour rice, minerals, sugar.

KEY NUTRIENT VALUES*						
	Dry	Wet				
Moisture	7.5%	78.5%				
Protein	29.0%	8.7%				
Fat - Linoleic acid	6.0% 1.5%	2.5% 0.5%				
Carbohydrate - Starch - Total sugars	41.0% 23.1% 1.7%	3.7% 0.9% 0.9%				
Crude fibre	10.0%	4.4% 2.2% 0.3% 5.5%				
Crude ash	6.5%					
Soluble fibre	1.6%					
Insoluble fibre	18.7%					
Vitamin E	300 IU/kg	73 IU/kg				
Metabolisable energy (ME) ¹	296 kcal/100g	57kcal/100g				

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

FEEDING GUIDELINES

The suggested daily food intake for weight loss is based on the dog's current weight, average caloric requirements and a desired weight loss of 1-2% of body weight per week. Daily food intake must be adjusted every 4 weeks. PURINA® PRO PLAN® VETERINARY DIETS OM Obesity Management™ can be fed long term for dogs prone to weight gain using the maintenance feeding quantities. In case of hyperlipidaemia the recommended period of use is initially up to 2 months, although it can be used long term.

FOR ADULT MAINTENANCE							
Body	Dry	Can/	Dry + can	combined			
weight (kg)	(g/day)		Dry (g/day)	Can/ day			
2.5	75	1	35	1/2			
5	120	13/4	45	1			
10	190	3	115	1			
15	250	3 1/3	175	1			
25	355	4 2/3	200	2			
35	440	5 ¾	290	2			
45	525	71/4	370	2			
70	705	9	475	3			

FOR ADULT WEIGHT LOSS				
Body	Des	Can/ day	Dry + can combined	
weight (kg)	Dry (g/day)		Dry (g/day)	Can/ day
2.5	60	3/4	20	1/2
5	95	11/4	60	1/2
10	155	2	75	1
15	200	2 2/3	125	1
25	285	3 3/4	130	2
35	355	4 2/3	200	2
45	420	5 1/2	265	2
70	565	71/3	335	3

Over 70kg: For each additional 5 kg of body weight, feed an additional 25 g of dry food or $\frac{1}{2}$ can per day for weight loss and feed an additional 30g of dry food or $\frac{1}{2}$ can per day for weight maintenance.

¹ Calculated following NRC 2006 equations.

NUTRITIONAL MANAGEMENT OF OBESITY IN DOGS

NUTRITIONAL MANAGEMENT OF OBESITY IN DOGS

Up to 50% or more of dogs are now estimated to be overweight or obese in the UK1. While some diseases (such as hypothyroidism and hyperadrenocorticism) predispose to obesity, in most cases the underlying cause is a mismatch between energy intake and energy expenditure. A wide variety of diseases are associated with obesity in dogs^{1,2}. Nestlé PURINA® completed a lifelong study of dogs that provided crucial information showing excess bodyweight is detrimental to their longevity - in that study even moderately

overweight dogs were at greater risk for earlier morbidity and a shortened lifespan³.

Successful management of obesity in dogs usually combines use of a weight loss diet together with an increase in daily exercise. In addition feeding an increased number of smaller meals, whilst reducing the number of treats may be the most effective means of managing obesity. A recent study reports that dietary caloric restriction is more effective than physical activity, placing dietary management as the top tool to help in obesity management4.



CLINICAL ADVANTAGES WITH THE USE OF CANINE OM OBESITY MANAGEMENT™

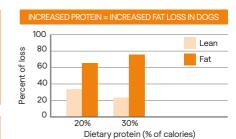
PURINA® PRO PLAN® VETERINARY DIETS OM Obesity Management™ provides:

An increased protein level and a higher protein to calorie ratio, proven to preserve lean body mass during weight loss⁵. Dogs should be fed to encourage gradual weight loss with preservation of lean body mass, which reduces the risk of rebound weight gain.

A high nutrient: energy ratio to compensate for the reduced calorie intake.

A low fat level, which helps lower serum cholesterol levels and control hypercholesterolaemia and hyperlipidaemia.

Feeding guidelines based on the dog's current weight, a reliable measure that aims to avoid an undesirable fast weight loss that can promote muscle loss, and avoids the challenges of estimating an exact target weight at the start of the weight loss programme.



In weight loss studies, increased dietary protein spared lean body mass and facilitated greater fat loss in dogs during weight loss.

Increased fibre to help improve satiety and reduce overall caloric intake.

Glucoregulation through a combination of high levels of complex carbohydrates and mixed fibre sources, combined with low levels of simple sugars.

- 1. Pet Food Manufacturers' Association (PFMA) Obesity Report 2019 'Pet obesity 10 years on'.
- 2. Laflamme D. (2006) Understanding and managing obesity in dogs and cats. Vet Clin Small Anim. 36: 1283-95.
- 3. Kealy RD, et al. (2002) Effects of diet restriction on life span and age-related changes in dogs. J Am Vet Med Assoc. 220: 1315-20. 4. Chapman M, et al. (2019) An open-label randomised clinical trial to compare the efficacy of dietary caloric restriction and physical activity for weight loss in overweight pet dogs. Vet J. Jan; 243: 65-73.
- 5. Hannah SS, et al. (1998) Increased Dietary Protein Spares Lean Body Mass during Weight Loss in Dogs. J Vet Int Med. 12: 224.

Other relevant literature

- Bland IM, et al. (2010) Dog obesity: veterinary practices' and owners' opinions on cause and management. Prev Vet Med. 94: 310-5.
- Rand JS, et al. (2004) Canine and feline diabetes mellitus: Nature or nurture. J. Nutr. 134: 2072-80.