FELINE DIETARY MANAGEMENT

The following suggested diets may be appropriate for cats with certain forms of these health conditions.

CONDITION	SUGGESTED DIETS	REFERENCE PAGE
Colitis	OM OVERWEIGHT MANAGEMENT®	44
	FORTIFLORA®	24
Constipation	OM OVERWEIGHT MANAGEMENT®	44
Critical Care	DM DIETETIC MANAGEMENT®	34
Dental Disease	DH DENTAL HEALTH®	32
Diabetes Mellitus	DM DIETETIC MANAGEMENT®	34
	OM OVERWEIGHT MANAGEMENT®	44
Diarrhea	DM DIETETIC MANAGEMENT®	34
	EN GASTROENTERIC®	38
	FORTIFLORA®	24
Enteritis	DM DIETETIC MANAGEMENT®	34
	EN GASTROENTERIC®	38
	FORTIFLORA®	24
Exocrine Pancreatic Insufficiency	FORTIFLORA®	24
FLUTD	UR URINARY St/Ox®	48
Food Allergic Dermatitis	HA HYPOALLERGENIC®	40
Food Allergic Gastroenteritis	HA HYPOALLERGENIC®	40
Gastritis	EN GASTROENTERIC®	38
Hairballs	OM OVERWEIGHT MANAGEMENT®	44
Heart Disease	NF KIDNEY FUNCTION®	42
Hepatic Encephalopathy	NF KIDNEY FUNCTION®	42
Hepatic Lipidosis	DM DIETETIC MANAGEMENT®	34
	EN GASTROENTERIC®	38
Hyperlipidemia	OM OVERWEIGHT MANAGEMENT®	44
Inflammatory Bowel Disease	FORTIFLORA®	24
	HA HYPOALLERGENIC®	40
Malabsorption/maldigestion	FORTIFLORA®	24
Obesity	OM OVERWEIGHT MANAGEMENT®	44
Pancreatitis	EN GASTROENTERIC®	38
	HA HYPOALLERGENIC®	40
Renal Failure	NF KIDNEY FUNCTION®	42
Tartar Accumulation	DH DENTAL HEALTH®	32
Urolithiasis (oxalate, urate, struvite)	**see reference page**	50

PURINA VETERINARY DIAGNOSTICS®

The following litter additive may be appropriate for monitoring cats with certain forms of these health conditions.

CONDITION	SUGGESTED LITTER ADDITIVE	
Diabetes Mellitus	GLUCOTEST®	52

CLINICAL CONSIDERATIONS:

The role of dietary management in dental disease is to provide a proper balance of total nutrients that can be fed every day for maintenance while meeting the special dietary needs of the patient. Nutritional management of cats that are prone to the formation of tartar centers on feeding a kibble that significantly decreases the accumulation of tartar. This can be accomplished by designing a kibble that is both large enough to promote increased chewing time and that has a special texture to allow the tooth to penetrate deep into the kibble before it breaks. Greater tooth penetration extends contact time with the kibble for an excellent cleaning effect.

DIET CHARACTERISTICS:

Purina Veterinary Diets® DH Dental Health® Feline Formula has been formulated to achieve the following characteristics:

- Optimal kibble size
- Patented kibble texture
- Added antioxidants A and E
- Natural source of glucosamine
- Moderate calories
- Exceptional palatability
- Perfect nutrition for everyday feeding of adult and senior cats

Accepted
VETERINARY ORAL HEALTH COUNCIL
VOHC
CONSEIL VÉTÉRINAIRE DE LA SANTÉ DENTAIRE
Accepté par le
HELPS CONTROL TARTAR & PLAQUE
AIDE À PRÉVENIR L'ACCUMULATION DE TARTRE
SM91375

MEDICAL INDICATIONS:

Diets with these nutritional modifications have been recommended for adult and senior cats with the following conditions:

- Adult and senior cats to help reduce the accumulation of plaque and tartar
- Adult and senior cats for everyday maintenance

MEDICAL CONTRAINDICATIONS:

- None

FEEDING AND ADMINISTRATION:

Animal feeding tests using Association of American Feed Control Officials (AAFCO) procedures substantiate that Purina Veterinary Diets DH Dental Health Feline Formula provides complete and balanced nutrition for maintenance of adult cats.

The following feeding program is recommended as a guideline only, with discretionary clinical adjustments for proper weight maintenance.

ADULT MAINTENANCE[1]

BODY WEIGHT	lbs.	kg.	APPROXIMATE NUMBER OF 8-OZ. CUPS/DAY[3]
	3	1.4	1/4
	5	2.3	1/2
	8	3.6	3/4
	9	4.1	7/8
	12	5.5	1 1/4
	16	7.3	1 5/8
	20	9.1	2
	25[4]	11.4	2 1/2
Metabolizable Energy (ME)[2]			3310 kcal/kg
Metabolizable Energy (ME)[2]			1505 kcal/lb
Metabolizable Energy (ME)[2]			270 kcal/8-oz cup

[1] Adjustments must be made for environmental conditions, activity level, body condition. Provide fresh water in a clean container daily.
[2] Kilocalories of metabolizable energy (ME).
[3] This daily amount should be divided into several small meals throughout the day.
[4] For each additional pound of body weight, feed an additional 24 kilocalories.

AVERAGE NUTRIENT CONTENT ON SERVING AND 100 CALORIE BASIS

	Grams per 100 kcal ME	Grams per 8-oz. cup
Protein	11.22	30.29
Fat	3.95	10.67
Carbohydrate*	9.45	25.52
Fiber	1.29	3.48
Calcium*	0.42	1.13
Phosphorus*	0.42	1.13
Potassium	0.20	0.54
Sodium	0.10	0.27
Chloride	0.18	0.49
Magnesium	0.03	0.08
Taurine	0.06	0.16

*Calculated value

AVERAGE NUTRIENT COMPOSITION

	As Fed	Dry Matter
Protein, %	37.13	39.73
Fat, %	13.06	13.98
Carbohydrate, %**	31.27	33.46
Fiber, %	4.28	4.58
Calcium, %**	1.40	1.50
Phosphorus, %**	1.40	1.50
Potassium, %	0.65	0.70
Sodium, %	0.59	0.63
Chloride, %	0.61	0.65
Magnesium, %	0.09	0.10
Vitamin A, IU/kg	21,991	23,532
Vitamin E, IU/kg	675	722
Taurine, %	0.19	0.20
Glucosamine, ppm	873	934

**Calculated value

DIGESTION TEST RESULTS†

Digestibility:	
Total, %	75.9
Protein, %	84.3
Fat, %	85.2
Carbohydrate, %	82.9
Calorie, %	79.1
Percentage of Metabolizable Energy from:	
Protein, %	36.4
Fat, %	33.2
Carbohydrate, %	30.4

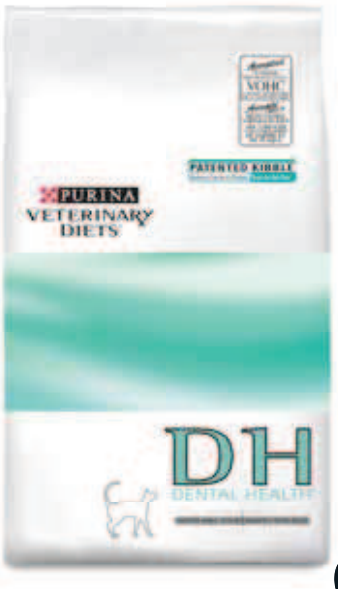
†Based on digestion testing conducted at the Purina PetCare Product Technology Centers.

INGREDIENTS

Ground yellow corn, poultry by-product meal (natural source of glucosamine), corn gluten meal, animal liver flavor, animal fat preserved with mixed-tocopherols (form of Vitamin E), powdered cellulose, fish meal (natural source of glucosamine), glycerin, calcium carbonate, natural and artificial flavors, potassium chloride, tetra sodium pyrophosphate, salt, dried yeast, choline chloride, added color, Vitamin E supplement, tricalcium phosphate, taurine, zinc sulfate, niacin, ferrous sulfate, Vitamin A supplement, calcium pantothenate, manganese sulfate, thiamine mononitrate, riboflavin supplement, Vitamin B-12 supplement, pyridoxine hydrochloride, copper sulfate, folic acid, Vitamin D-3 supplement, biotin, menadione sodium bisulfite complex (source of Vitamin K activity), calcium iodate, sodium selenite. C-4578

PACKAGING

Bags of 6 lbs.



CLINICAL CONSIDERATIONS:

The role of dietary management in feline diabetes mellitus is to provide a proper balance of nutrients while meeting the special dietary needs of the patient. Cats are unique in their requirement to metabolize high concentrations of dietary protein. A high percentage of protein is used for gluconeogenesis. The increased concentration of high quality protein in this diet provides the cat's essential amino acid requirements and a substrate for glucose production. With glucose production from dietary amino acids, the carbohydrate content of the diet may be dramatically reduced with this formulation. Glucose derived from hepatic gluconeogenesis is delivered to the bloodstream at a slower rate compared to the release of glucose from digestion of dietary carbohydrate. The result is a more consistent, steady release of glucose and the potential for reduced insulin requirements.

DIET CHARACTERISTICS:

Purina Veterinary Diets® DM Dietetic Management® Feline Formulas have been formulated to achieve the following characteristics:

- High protein
- Source of omega-3 and omega-6 fatty acids
- Low carbohydrate
- High level of antioxidants

MEDICAL INDICATIONS:

Diets with these nutritional modifications are recommended for cats with the following:

- Diabetes mellitus
- Persistent hyperglycemia
- Enteritis, diarrhea
- Hepatic lipidosis
- Critical care management of cats and dogs

See page 46 for information on Glucotest®

MEDICAL CONTRAINDICATIONS:

- Renal failure
- Hepatic encephalopathy

FEEDING AND ADMINISTRATION:

Animal feeding tests using Association of American Feed Control Officials (AAFCO) procedures substantiate that Purina Veterinary Diets DM Dietetic Management Feline Formulas provide complete and balanced nutrition for maintenance of adult cats.

The following feeding program is recommended as a guideline only, with discretionary clinical adjustments for proper weight maintenance.

ADULT MAINTENANCE[1]

			DRY	CANNED
BODY WEIGHT	lbs.	kg.	APPROXIMATE NUMBER OF 8-OZ. CUPS/DAY[3]	APPROXIMATE NUMBER OF 5.5-OZ. CANS/DAY[3]
	3	1.4	1/8	3/8
	5	2.3	1/4	3/4
	8	3.6	3/8	1 1/8
	10	4.5	1/2	1 3/8
	15	6.8	3/4	2 1/8
	20[4]	9.1	1	2 7/8
Metabolizable Energy (ME)[2]			4118 kcal/kg	1227 kcal/kg
Metabolizable Energy (ME)[2]			1872 kcal/lb	557 kcal/lb
Metabolizable Energy (ME)[2]			592 kcal/8-oz cup	191 kcal/5.5-oz can

[1] Adjustments must be made for environmental conditions, activity level, body condition. Provide fresh water in a clean container daily.
[2] Kilocalories of metabolizable energy (ME).
[3] This daily amount should be divided into several small meals throughout the day.
[4] For each additional pound of body weight, feed an additional 24 kilocalories.

CAUTION

Insulin requirements may be dramatically reduced with the use of this diet. It is critical that the transition from the cat's current diet to DM Dietetic Management® is slow and that the blood glucose is carefully monitored throughout the transition. In newly diagnosed cases, the transition may be quicker.

DIETARY TRANSITION SCHEDULE

Transition Week	Current Diet (% calories)	DM-FORMULA (% calories)
1	75	25
2	50	50
3	25	75
4	0	100

AVERAGE NUTRIENT CONTENT ON SERVING AND 100 CALORIE BASIS

	DRY		CANNED	
	Grams per 100 kcal ME	Grams per 8-oz. cup	Grams per 100 kcal ME	Grams per 5.5-oz. can
Protein	12.94	76.50	11.07	19.72
Fat	4.01	23.68	6.82	12.14
Carbohydrate*	3.35	19.79	0.94	1.67
Fiber	0.28	1.68	0.61	1.09
Calcium	0.35	2.10	0.22	0.39
Phosphorus	0.34	2.01	0.26	0.47
Potassium	0.28	1.64	0.23	0.41
Sodium	0.13	0.78	0.10	0.17
Chloride	0.19	1.11	0.13	0.23
Magnesium	0.03	0.17	0.02	0.03
Taurine	0.08	0.49	0.06	0.11

*Calculated value

AVERAGE NUTRIENT COMPOSITION

	DRY		CANNED	
	As Fed	Dry Matter	As Fed	Dry Matter
Protein, %	53.30	57.85	12.65	53.38
Fat, %	16.50	17.91	7.79	32.87
Carbohydrate, %**	13.79	14.97	1.07	4.51
Fiber, %	1.17	1.26	0.70	2.95
Calcium, %	1.46	1.58	0.25	1.05
Phosphorus, %	1.40	1.52	0.30	1.27
Potassium, %	1.14	1.23	0.26	1.10
Sodium, %	0.54	0.60	0.11	0.46
Chloride, %	0.77	0.84	0.15	0.63
Magnesium, %	0.12	0.13	0.02	0.08
Vitamin E, IU/kg	100	109	124	523
Taurine, %	0.34	0.37	0.07	0.30
Omega-6:3 ratio	5.7:1	5.7:1	7.3:1	7.3:1
Total Omega-6, %	2.02	2.19	1.54	6.5
Total Omega-3, %	0.36	0.39	0.21	0.89

**Calculated value

DIGESTION TEST RESULTS†

Digestibility:	DRY	CANNED
Total, %	85.3	81.4
Protein, %	92.3	88.5
Fat, %	90.1	89.2
Carbohydrate, %	84.4	30.3
Calorie, %	89.4	85.1
Percentage of Metabolizable Energy from:		
Protein, %	49.7	38.8
Fat, %	37.4	58
Carbohydrate, %	12.9	3.3

†Based on digestion testing conducted at the Purina PetCare Product Technology Centers.

INGREDIENTS (DRY)

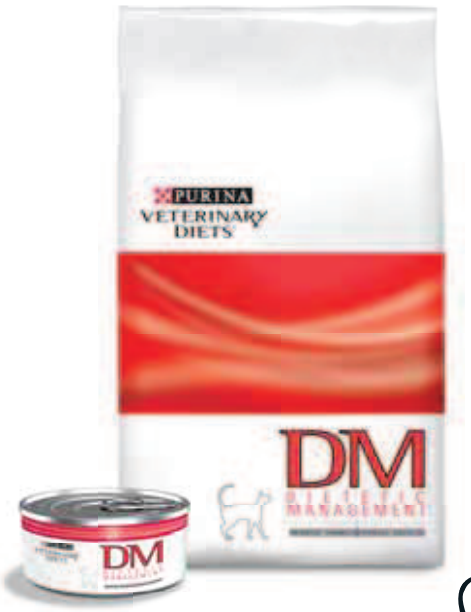
Poultry by-product meal, soy protein isolate, corn gluten meal, soy flour, animal fat preserved with mixed-tocopherols (form of Vitamin E), corn starch, animal liver flavor, calcium carbonate, phosphoric acid, fish oil, potassium chloride, L-Lysine monohydrochloride, DL-Methionine, choline chloride, taurine, powdered cellulose, salt, Vitamin E supplement, zinc sulfate, ferrous sulfate, niacin, manganese sulfate, Vitamin A supplement, calcium pantothenate, thiamine mononitrate, copper sulfate, riboflavin supplement, Vitamin B-12 supplement, pyridoxine hydrochloride, folic acid, Vitamin D-3 supplement, calcium iodate, biotin, menadione sodium bisulfite complex (source of Vitamin K activity), sodium selenite. L-4574

INGREDIENTS (CANNED)

Liver, poultry by-products, meat by-products, water sufficient for processing, chicken, salmon, oat fiber, salmon meal, guar gum, potassium chloride, carrageenan, salt, Vitamin E supplement, calcium phosphate, taurine, thiamine mononitrate, zinc sulfate, ferrous sulfate, niacin, calcium pantothenate, copper sulfate, Vitamin A supplement, manganese sulfate, menadione sodium bisulfite complex (source of Vitamin K activity), pyridoxine hydrochloride, riboflavin supplement, Vitamin B-12 supplement, biotin, folic acid, Vitamin D-3 supplement, potassium iodide. I-4573

PACKAGING

Cases of 24, 5.5-oz. cans
Bags of 6 and 10 lbs.



CLINICAL CONSIDERATIONS:

The role of dietary management in feline diabetes mellitus is to provide a proper balance of nutrients while meeting the special dietary needs of the patient. Cats are unique in their requirement to metabolize high concentrations of dietary protein. A high percentage of protein is used for gluconeogenesis. The increased concentration of high quality protein in this diet provides the cat's essential amino acid requirements and a substrate for glucose production. With glucose production from dietary amino acids, the carbohydrate content of the diet may be dramatically reduced with this formulation. Glucose derived from hepatic gluconeogenesis is delivered to the bloodstream at a slower rate compared to the release of glucose from digestion of dietary carbohydrate. The result is a more consistent, steady release of glucose and the potential for reduced insulin requirements.

DIET CHARACTERISTICS:

Purina Veterinary Diets® DM Savory Selects Dietetic Management™ Feline Formula In Gravy has been formulated to achieve the following characteristics:

- High protein
- Source of omega-3 and omega-6 fatty acids
- Low carbohydrate
- High level of antioxidants

MEDICAL INDICATIONS:

Diets with these nutritional modifications are recommended for cats with the following:

- Diabetes mellitus
- Persistent hyperglycemia
- Enteritis, diarrhea
- Hepatic lipidosis
- Critical care management of cats and dogs

MEDICAL CONTRAINDICATIONS:

- Renal failure
- Hepatic encephalopathy

FEEDING AND ADMINISTRATION:

Animal feeding tests using Association of American Feed Control Officials (AAFCO) procedures substantiate that Purina Veterinary Diets DM Savory Selects Dietetic Management Feline Formula In Gravy provides complete and balanced nutrition for maintenance of adult cats.

The following feeding program is recommended as a guideline only, with discretionary clinical adjustments for proper weight maintenance.

ADULT MAINTENANCE[1]

BODY WEIGHT	lbs.	kg.	APPROXIMATE NUMBER OF 5.5-OZ. CANS/DAY[3]
	3	1.4	1/2
	5	2.3	3/4
	8	3.6	1 1/4
	10	4.5	1 5/8
	15	6.8	2 3/8
	20[4]	9.1	3 1/8
Metabolizable Energy (ME)[2]			1095 kcal/kg
Metabolizable Energy (ME)[2]			497 kcal/lb
Metabolizable Energy (ME)[2]			171 kcal/5.5-oz. can

[1] Adjustments must be made for environmental conditions, activity level, body condition. Provide fresh water in a clean container daily.
[2] Kilocalories of metabolizable energy (ME).
[3] This daily amount should be divided into several small meals throughout the day.
[4] For each additional pound of body weight, feed an additional 24 kilocalories.

AVERAGE NUTRIENT CONTENT ON SERVING AND 100 CALORIE BASIS

	Grams per 100 kcal ME	Grams per 5.5-oz. can
Protein	12.88	21.99
Fat	4.11	7.02
Carbohydrate*	2.46	4.19
Fiber	0.18	0.31
Calcium	0.33	0.56
Phosphorus	0.22	0.37
Potassium	0.26	0.44
Sodium	0.13	0.22
Chloride	0.19	0.33
Magnesium	0.01	0.02
Taurine	0.16	0.26

*Calculated value

AVERAGE NUTRIENT COMPOSITION

	As Fed	Dry Matter
Protein, %	14.10	60.78
Fat, %	4.50	19.40
Carbohydrate, %**	2.69	11.59
Fiber, %	0.20	0.86
Calcium, %	0.36	1.55
Phosphorus, %	0.24	1.03
Potassium, %	0.28	1.21
Sodium, %	0.14	0.6
Chloride, %	0.21	0.91
Magnesium, %	0.01	0.04
Vitamin E, IU/kg	32	137
Taurine, %	0.17	0.73
Omega-6:3 ratio	14.8:1	14.8:1
Total Omega-6, %	0.89	3.84
Total Omega-3, %	0.06	0.26

**Calculated value

DIGESTION TEST RESULTS†

Digestibility:	
Total, %	89.2
Protein, %	94.2
Fat, %	93.9
Carbohydrate, %	82.4
Calorie, %	92.3
Percentage of Metabolizable Energy from:	
Protein, %	50.9
Fat, %	39.4
Carbohydrate, %	9.70

†Based on digestion testing conducted at the Purina PetCare Technology Centers.

INGREDIENTS

Water sufficient for processing, chicken, liver, wheat gluten, meat by-products, corn starch-modified, soy flour, artificial and natural flavors, calcium phosphate, potassium chloride, taurine, choline chloride, salt, L-Lysine monohydrochloride, added color, zinc sulfate, thiamine mononitrate, Vitamin E supplement, ferrous sulfate, niacin, copper sulfate, manganese sulfate, calcium pantothenate, Vitamin A supplement, menadione sodium bisulfite complex (source of Vitamin K activity), pyridoxine hydrochloride, riboflavin supplement, Vitamin B-12 supplement, biotin, folic acid, Vitamin D-3 supplement, potassium iodide. C-4550

PACKAGING

Cases of 24, 5.5-oz. cans

CLINICAL CONSIDERATIONS:

The role of dietary management in feline gastrointestinal conditions is to provide a proper balance of total nutrients while meeting the special dietary needs of the patient. Some cats with diarrhea are sensitive to dietary carbohydrates. Feeding a high quality diet, which is high in protein and low in carbohydrates provides optimal nutrition for these cats with compromised gastrointestinal tracts. With added B vitamins, easily absorbed chelated minerals, and moderate fat content, EN provides the nutrients needed to help support cats with GI tract problems.

DIET CHARACTERISTICS:

Purina Veterinary Diets® EN Gastroenteric® Feline Formulas have been formulated to achieve the following characteristics:

- High protein
- Low carbohydrate
- Added B vitamins
- Moderate fat
- Exceptional palatability
- Chelated minerals (copper, zinc, manganese) – dry only

MEDICAL INDICATIONS:

Diets with these specific nutritional modifications have been recommended for cats and kittens with the following conditions:

- Enteritis
- Gastritis
- Diarrhea
- Hepatic lipidosis
- Vomiting
- Pancreatitis

MEDICAL CONTRAINDICATIONS:

- Renal failure
- Hepatic encephalopathy

FEEDING AND ADMINISTRATION:

Animal feeding tests using Association of American Feed Control Officials (AAFCO) procedures substantiate that Purina Veterinary Diets EN Gastroenteric Feline Formulas provide complete and balanced nutrition for growth of kittens and maintenance of adult cats.

The following feeding program is recommended as a guideline only, with discretionary clinical adjustments for proper weight maintenance.

ADULT MAINTENANCE[1]

			DRY	CANNED
BODY WEIGHT	lbs.	kg.	APPROXIMATE NUMBER OF 8-OZ. CUPS/DAY[3]	APPROXIMATE NUMBER OF 5.5-OZ. CANS/DAY[3]
	3	1.4	1/8	1/2
	5	2.3	1/4	3/4
	8	3.6	3/8	1 1/4
	10	4.5	1/2	1 1/2
	15	6.8	3/4	2 1/4
	20[4]	9.1	1	3
Metabolizable Energy (ME)[2]			3973 kcal/kg	1149 kcal/kg
Metabolizable Energy (ME)[2]			1806 kcal/lb	521 kcal/lb
Metabolizable Energy (ME)[2]			528 kcal/8-oz cup	179 kcal/5.5-oz can

[1] Adjustments must be made for environmental conditions, activity level, body condition. Provide fresh water in a clean container daily.
[2] Kilocalories of metabolizable energy (ME).
[3] This daily amount should be divided into several small meals throughout the day.
[4] For each additional pound of body weight, feed an additional 24 kilocalories.

KITTEN GROWTH

AGE (wks)	kcal/lb
6-11	110
12-17	81
18-23	64

AVERAGE NUTRIENT CONTENT ON SERVING AND 100 CALORIE BASIS

	DRY		CANNED	
	Grams per 100 kcal ME	Grams per 8-oz. cup	Grams per 100 kcal ME	Grams per 5.5-oz. can
Protein	12.92	73.90	9.99	16.91
Fat	4.23	24.20	6.10	10.32
Carbohydrate	3.85	22.02	3.78	6.39
Fiber	0.29	1.66	0.67	1.14
Calcium	0.35	2.00	0.36	0.61
Phosphorus	0.33	1.87	0.29	0.48
Potassium	0.23	1.29	0.21	0.36
Sodium	0.15	0.84	0.09	0.16
Chloride	0.13	0.76	0.17	0.28
Magnesium	0.03	0.17	0.02	0.03
Taurine	0.07	0.42	0.07	0.12

AVERAGE NUTRIENT COMPOSITION

	DRY		CANNED	
	As Fed	Dry Matter	As Fed	Dry Matter
Protein, %	51.30	56.18	10.85	45.59
Fat, %	16.80	18.40	6.62	27.82
Carbohydrate, %*	15.28	16.73	4.10	17.23
Fiber, %	1.14	1.25	0.73	3.07
Calcium, %	1.39	1.52	0.39	1.64
Phosphorus, %	1.30	1.42	0.31	1.30
Potassium, %	0.90	0.99	0.23	0.97
Sodium, %	0.58	0.64	0.10	0.42
Chloride, %	0.53	0.58	0.18	0.76
Magnesium, %	0.12	0.13	0.02	0.08
Vitamin E, IU/kg	212	232	74	311
Taurine, %	0.29	0.32	0.08	0.34

*Calculated value

DIGESTION TEST RESULTS†

Digestibility:	DRY	CANNED
Total, %	88.8	83.7
Protein, %	94.0	90.0
Fat, %	93.1	89.4
Carbohydrate, %	79.7	80.9
Calorie, %	91.6	87.2
Percentage of Metabolizable Energy from:		
Protein, %	47.8	35.0
Fat, %	38.0	51.8
Carbohydrate, %	14.2	13.2

†Based on digestion testing conducted at the Purina PetCare Product Technology Centers.

INGREDIENTS (DRY)

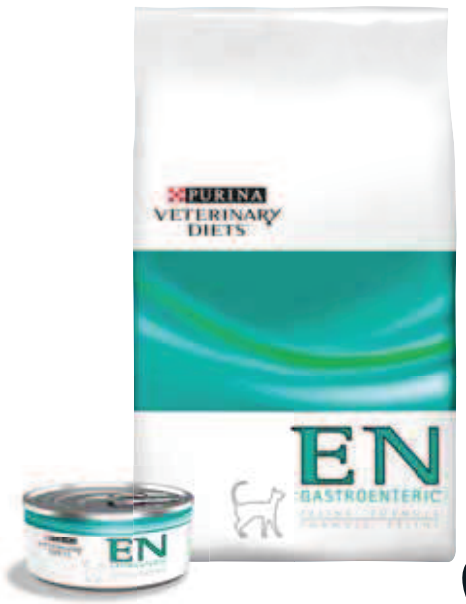
Soy protein isolate, poultry by-product meal, corn gluten meal, soy flakes, animal fat preserved with mixed-tocopherols (form of Vitamin E), corn starch, natural flavor, calcium carbonate, phosphoric acid, fish oil, potassium chloride, DL-Methionine, taurine, powdered cellulose, choline chloride, zinc proteinate, salt, dried colostrum, Vitamin E supplement, manganese proteinate, ferrous sulfate, niacin, copper proteinate, Vitamin A supplement, calcium pantothenate, thiamine mononitrate, riboflavin supplement, Vitamin B-12 supplement, pyridoxine hydrochloride, folic acid, Vitamin D-3 supplement, calcium iodate, biotin, menadione sodium bisulfite complex (source of Vitamin K activity), sodium selenite. G-4584

INGREDIENTS (CANNED)

Poultry by-products, liver, water sufficient for processing, turkey, rice, oat fiber, calcium gluconate, fish oil, guar gum, potassium chloride, salt, carrageenan, Vitamin E supplement, taurine, calcium phosphate, zinc sulfate, thiamine mononitrate, ferrous sulfate, niacin, copper sulfate, manganese sulfate, calcium pantothenate, Vitamin A supplement, menadione sodium bisulfite complex (source of Vitamin K activity), pyridoxine hydrochloride, riboflavin supplement, Vitamin B-12 supplement, biotin, folic acid, Vitamin D-3 supplement, potassium iodide. A-4585

PACKAGING

Cases of 24, 5.5-oz. cans
Bags of 6 and 10 lbs.



CLINICAL CONSIDERATIONS:

The role of dietary management in feline food allergy is to provide a proper balance of total nutrients while meeting the special dietary needs of the patient. Most common food allergens are proteins with a molecular weight of 18,000-70,000 daltons. Protein hydrolysis is a process which reduces the protein size to small polypeptides, reducing the antigenicity and rendering them less able to elicit an immune response. By reducing the molecular weight of the protein molecule below 18,000 daltons, this process can result in a protein that is truly hypoallergenic.

DIET CHARACTERISTICS:

Purina Veterinary Diets® HA Hypoallergenic® Feline Formula has been formulated to achieve the following characteristics:

- Hydrolyzed protein with a low molecular weight
- Low allergen carbohydrate source
- Highly digestible
- Balanced nutrition for both growth and maintenance

MEDICAL INDICATIONS:

Diets with these nutritional modifications have been recommended for cats with the following conditions:

- Elimination diet for food trials
- Gastroenteritis associated with food allergy
- Food intolerance
- Dermatitis associated with food allergy
- Chronic non-specific diarrhea and vomiting
- Inflammatory bowel disease
- Pancreatitis

MEDICAL CONTRAINDICATIONS:

- None

FEEDING AND ADMINISTRATION:

Animal feeding tests using Association of American Feed Control Officials (AAFCO) procedures substantiate that Purina Veterinary Diets HA Hypoallergenic Feline Formula provides complete and balanced nutrition for growth of kittens and maintenance of adult cats.

The following feeding program is recommended as a guideline only, with discretionary clinical adjustments for proper weight maintenance. If transitioning from another diet, gradually introduce HA over several days.

ADULT MAINTENANCE[1]

BODY WEIGHT	lbs.	kg.	APPROXIMATE NUMBER OF 8-OZ. CUPS/DAY[3]
	3	1.4	1/4
	5	2.3	3/8
	8	3.6	5/8
	10	4.5	3/4
	15	6.8	1 1/8
	20	9.1	1 1/2
Metabolizable Energy (ME)[2]			4032 kcal/kg
Metabolizable Energy (ME)[2]			1833 kcal/lb
Metabolizable Energy (ME)[2]			350 kcal/8-oz cup

[1] Adjustments must be made for environmental conditions, activity level, body condition. Provide fresh water in a clean container daily.
[2] Kilocalories of metabolizable energy (ME).
[3] This daily amount should be divided into several small meals throughout the day.
[4] For each additional pound of body weight, feed an additional 24 kilocalories.

KITTEN GROWTH

AGE (wks)	kcal/lb
6-11	110
12-17	81
18-23	64

AVERAGE NUTRIENT CONTENT ON SERVING AND 100 CALORIE BASIS

	Grams per 100 kcal ME	Grams per 8-oz. cup
Protein	7.80	27.30
Carbohydrate	10.08	35.28
Fat	2.71	9.49
Fiber	0.43	1.51
Calcium	0.24	0.84
Phosphorus	0.30	1.05
Sodium	0.21	0.74
Potassium	0.16	0.56
Chloride	0.17	0.60
Magnesium	0.02	0.07

AVERAGE NUTRIENT COMPOSITION

	As Fed	Dry Matter
Protein, %	31.43	34.32
Carbohydrate, %	40.65	44.39
Fat, %	10.93	11.93
Fiber, %	1.74	1.90
Calcium, %	0.97	1.06
Phosphorus, %	1.19	1.30
Sodium, %	0.84	0.92
Potassium, %	0.65	0.71
Chloride, %	0.70	0.76
Magnesium, %	0.08	0.08

DIGESTION TEST RESULTS†

Digestibility:	
Total, %	92.5
Protein,%	92.9
Fat, %	93.3
Carbohydrate, %	97.2
Calorie, %	93.8
Percentage of Metabolizable Energy from:	
Protein, %	27.3
Fat, %	25.6
Carbohydrate, %	47.1

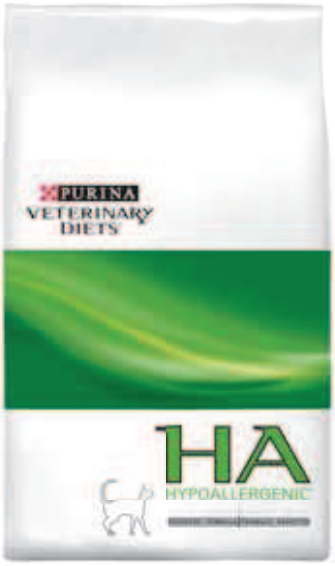
†Based on digestion testing conducted at the Purina PetCare Product Technology Centers.

INGREDIENTS

Rice starch, hydrolyzed soy protein isolate, partially hydrogenated canola oil preserved with TBHQ, hydrolyzed chicken liver, tricalcium phosphate, powdered cellulose, corn oil, hydrolyzed chicken, sodium bisulfate, DL-Methionine, potassium chloride, choline chloride, tetra sodium pyrophosphate, L-Lysine monohydrochloride, phosphoric acid, salt, guar gum, taurine, lecithin, magnesium oxide, zinc sulfate, ferrous sulfate, Vitamin E supplement, manganese sulfate, niacin, calcium carbonate, citric acid, Vitamin A supplement, calcium pantothenate, thiamine mononitrate, copper sulfate, BHA (a preservative), riboflavin supplement, Vitamin B-12 supplement, pyridoxine hydrochloride, folic acid, Vitamin D-3 supplement, calcium iodate, biotin, menadione sodium bisulfite complex (source of Vitamin K activity), sodium selenite. B-4575

PACKAGING

Bags of 4 and 8 lbs.



CLINICAL CONSIDERATIONS:

The role of dietary management in feline kidney conditions is to provide an appropriate balance of total nutrients while meeting the special dietary needs of the patient. Low phosphorus intake helps to protect against hyperphosphatemia and the associated renal damage. Restricted, but high quality protein in the diet minimizes the intake of nonessential amino acids. This helps decrease the production of nitrogenous waste products. Reduced levels of sodium helps compensate for the diseased kidney's inability to regulate this important mineral. Increased omega-3 fatty acids may help reduce glomerular hypertension.

DIET CHARACTERISTICS:

Purina Veterinary Diets® NF Kidney Function® Feline Formulas have been formulated to achieve the following characteristics:

- Low phosphorus
- Reduced sodium
- Target urine pH-alkaline (6.7-7.5)
- Added potassium
- Reduced protein
- Added B-complex vitamins

MEDICAL INDICATIONS:

Diets with these specific nutritional modifications have been recommended for cats with the following conditions:

- Renal failure
- Hepatic disease associated with encephalopathy
- Conditions in both dogs and cats benefitting from moderate sodium restriction

MEDICAL CONTRAINDICATIONS:

- Conditions that require high protein or phosphorus intake

FEEDING AND ADMINISTRATION:

Animal feeding tests using Association of American Feed Control Officials (AAFCO) procedures substantiate that Purina Veterinary Diets NF Kidney Function dry Feline Formula provides complete and balanced nutrition for maintenance of adult cats. NF Kidney Function Canned Feline Formula is intended for intermittent or supplemental feeding only.

The following feeding program is recommended as a guideline only, with discretionary clinical adjustments for proper weight maintenance.

ADULT MAINTENANCE[1]

			DRY	CANNED
BODY WEIGHT	lbs.	kg.	APPROXIMATE NUMBER OF 8-OZ. CUPS/DAY[3]	APPROXIMATE NUMBER OF 5.5-OZ. CANS/DAY[3]
	3	1.4	1/4	3/8
	5	2.3	3/8	3/4
	8	3.6	1/2	1 1/8
	10	4.5	5/8	1 3/8
	15	6.8	1	2 1/8
	20[4]	9.1	1 3/8	2 7/8
Metabolizable Energy (ME)[2]			3936 kcal/kg	1238 kcal/kg
Metabolizable Energy (ME)[2]			1785 kcal/lb	561 kcal/lb
Metabolizable Energy (ME)[2]			398 kcal/8-oz cup	193 kcal/5.5-oz can

[1] Adjustments must be made for environmental conditions, activity level, body condition. Provide fresh water in a clean container daily.
[2] Kilocalories of metabolizable energy (ME).
[3] This daily amount should be divided into several small meals throughout the day.
[4] For each additional pound of body weight, feed an additional 24 kilocalories.

AVERAGE NUTRIENT CONTENT ON SERVING AND 100 CALORIE BASIS

	DRY		CANNED	
	Grams per 100 kcal ME	Grams per 8-oz. cup	Grams per 100 kcal ME	Grams per 5.5-oz. can
Protein	7.24	28.78	7.72	14.08
Fat	3.02	12.02	5.62	10.25
Carbohydrate	11.91	47.35	7.21	13.16
Fiber	0.29	1.15	0.76	1.38
Calcium	0.16	0.65	0.13	0.24
Phosphorus	0.10	0.38	0.11	0.20
Potassium	0.21	0.82	0.18	0.33
Sodium	0.05	0.18	0.05	0.08
Chloride	0.15	0.60	0.11	0.20
Magnesium	0.02	0.09	0.03	0.05
Taurine	0.04	0.17	0.08	0.15

AVERAGE NUTRIENT COMPOSITION

	DRY		CANNED	
	As Fed	Dry Matter	As Fed	Dry Matter
Protein, %	28.50	30.78	9.03	34.69
Fat, %	11.90	12.83	6.57	25.25
Carbohydrate, %*	46.88	50.63	8.43	32.41
Fiber, %	1.14	1.23	0.89	3.40
Calcium, %	0.64	0.69	0.15	0.59
Phosphorus, %	0.38	0.41	0.13	0.49
Potassium, %	0.81	0.88	0.21	0.82
Sodium, %	0.18	0.20	0.05	0.21
Chloride, %	0.59	0.64	0.13	0.49
Magnesium, %	0.09	0.10	0.03	0.11
Taurine, %	0.17	0.18	0.10	0.37

*Calculated value

DIGESTION TEST RESULTS†

Digestibility:	DRY	CANNED
Total, %	86.8	87.5
Protein, %	87.2	89.8
Fat, %	82.1	90.9
Carbohydrate, %	91.8	94.1
Calorie, %	87.3	88.5
Percentage of Metabolizable Energy from:		
Protein, %	27.3	27.0
Fat, %	27.7	47.8
Carbohydrate, %	45.0	25.2

†Based on digestion testing conducted at the Purina PetCare Product Technology Centers.

INGREDIENTS (DRY)

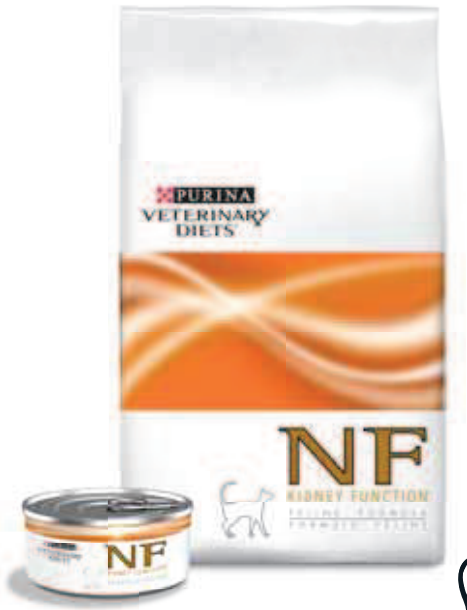
Brewers rice, whole grain corn, corn gluten meal, soybean meal, animal fat preserved with mixed-tocopherols (form of Vitamin E), animal digest, fish meal, calcium carbonate, potassium citrate, phosphoric acid, potassium chloride, L-Lysine monohydrochloride, fish oil, calcium phosphate, choline chloride, salt, taurine, zinc sulfate, ferrous sulfate, Vitamin E supplement, manganese sulfate, niacin, Vitamin A supplement, calcium pantothenate, thiamine mononitrate, copper sulfate, riboflavin supplement, Vitamin B-12 supplement, pyridoxine hydrochloride, folic acid, Vitamin D-3 supplement, calcium iodate, biotin, menadione sodium bisulfite complex (source of Vitamin K activity), sodium selenite. J-4563

INGREDIENTS (CANNED)

Water sufficient for processing, beef, poultry by-products, rice, meat by-products, chicken, calcium gluconate, powdered cellulose, artificial and natural flavors, guar gum, potassium citrate, potassium chloride, magnesium sulfate, Vitamin E supplement, choline chloride, taurine, carrageenan, zinc sulfate, thiamine mononitrate, calcium phosphate, ferrous sulfate, niacin, calcium pantothenate, Vitamin A supplement, copper sulfate, menadione sodium bisulfite complex (source of Vitamin K activity), manganese sulfate, pyridoxine hydrochloride, riboflavin supplement, Vitamin B-12 supplement, biotin, folic acid, potassium iodide, Vitamin D-3 supplement, sodium selenite. I-4569

PACKAGING

Cases of 24, 5.5-oz. cans
Bags of 6 and 16 lbs.



CLINICAL CONSIDERATIONS:

The role of dietary management in feline obesity is to provide a proper balance of total nutrients while meeting the special dietary needs of the patient. Dietary fats contribute more than twice the available energy compared to carbohydrates and protein. A low fat diet can be helpful in controlling calorie intake. Dietary crude fiber is poorly digested and helps reduce the amount of available calories and may contribute to satiety. Increased dietary protein may promote both increased metabolic activity and satiety. In addition, an increased protein:calorie ratio promotes loss of body fat while helping to minimize the loss of lean body mass during weight loss. Feeding a properly formulated diet designed to be restricted in calories, and high in fiber and protein, may be beneficial in the management of obesity while meeting the nutritional needs of the animal.

DIET CHARACTERISTICS:

Purina Veterinary Diets® OM Overweight Management® Feline Formulas have been formulated to achieve the following characteristics:

- Low fat
- Promotes acidic urine
- Low calorie
- High protein:calorie ratio
- High fiber

MEDICAL INDICATIONS:

Diets with these nutritional modifications have been recommended for cats with the following conditions:

- Obesity
- Fiber responsive colitis
- Constipation
- Hyperlipidemia in overweight cats
- Diabetes mellitus in overweight cats
- Hairballs

MEDICAL CONTRAINDICATIONS:

- Conditions associated with catabolic states

FEEDING AND ADMINISTRATION:

Animal feeding tests using Association of American Feed Control Officials (AAFCO) procedures substantiate that Purina Veterinary Diets OM Overweight Management Feline Formulas provide complete and balanced nutrition for maintenance of adult cats.

The following feeding program is recommended as a guideline only, with discretionary clinical adjustments for obesity management. The suggested daily food intake for weight loss is based on the cat's current weight, average caloric requirements and a desired weight loss of 1% of body weight per week. Daily food intake should be adjusted every 4 weeks.

ADULT MAINTENANCE[1]

		FOR WEIGHT LOSS			FOR MAINTENANCE		
lbs.	kg.	KCAL[2]/DAY	DRY APPROXIMATE NUMBER OF 8-OZ. CUPS/DAY[3]	CANNED APPROXIMATE NUMBER OF 5.5-OZ. CANS/DAY[3]	KCAL[2]/DAY	DRY APPROXIMATE NUMBER OF 8-OZ. CUPS/DAY[3]	CANNED APPROXIMATE NUMBER OF 5.5-OZ. CANS/DAY[3]
8	3.6	177	1/2	1 3/8	218	5/8	1 3/4
10	4.5	221	3/4	1 3/4	272	7/8	2 1/8
12	5.5	265	7/8	2 1/8	327	1	2 1/2
14	6.4	309	1	2 3/8	381	1 1/4	3
16	7.3	354	1 1/8	2 3/4	436	1 3/8	3 3/8
20	9.0	442	1 3/8	3 1/2	544	1 3/4	4 1/4
25[4]	11.4	552	1 3/4	4 1/4	681	2 1/8	5 1/4
ME[2]		3240 kcal/kg (dry)*			823 kcal/kg (can)		
ME[2]		1471 kcal/lb (dry)*			373 kcal/lb (can)		
ME[2]		321 kcal/8-oz cup (dry)*			128 kcal/5.5-oz can		

[1] Adjustments must be made for environmental conditions, activity level, body condition. Provide fresh water in a clean container daily.
[2] Kilocalories of metabolizable energy (ME).
[3] This daily amount should be divided into several small meals throughout the day.
[4] For each additional pound of body weight, feed an additional 24 kilocalories.
*Calculated value

AVERAGE NUTRIENT CONTENT ON SERVING AND 100 CALORIE BASIS

	DRY		CANNED	
	Grams per 100 kcal ME	Grams per 8-oz. cup	Grams per 100 kcal ME	Grams per 5.5-oz. can
Protein	16.56	53.89	12.32	15.65
Fat	2.54	8.27	4.12	5.24
Carbohydrate	6.54	21.29	6.23	7.92
Fiber	1.76	5.72	2.64	3.35
Calcium	0.32	1.06	0.26	0.33
Phosphorus	0.35	1.15	0.27	0.34
Potassium	0.26	0.86	0.21	0.26
Sodium	0.17	0.54	0.11	0.14
Chloride	0.25	0.80	0.23	0.30
Magnesium	0.04	0.11	0.02	0.03
Taurine	0.05	0.17	0.09	0.11

AVERAGE NUTRIENT COMPOSITION

	DRY		CANNED	
	As Fed	Dry Matter	As Fed	Dry Matter
Protein, %	52.00	56.21	10.04	46.27
Fat, %	7.82	8.48	3.36	15.48
Carbohydrate, %*	21.59	22.39	5.08	23.41
Fiber, %	4.76	5.60	2.15	9.91
Calcium, %	1.01	1.10	0.21	0.97
Phosphorus, %	1.10	1.19	0.22	1.01
Potassium, %	0.82	0.89	0.17	0.78
Sodium, %	0.52	0.57	0.09	0.41
Chloride, %	0.77	0.84	0.19	0.88
Magnesium, %	0.11	0.12	0.02	0.09
Taurine, %	0.16	0.17	0.07	0.32

*Calculated value

DIGESTION TEST RESULTS†

Digestibility:	DRY	CANNED
Total, %	80.1	76.0
Protein, %	91.1	84.5
Fat, %	87.7	82.9
Carbohydrate, %	66.8	86.2
Calorie, %	83.0	77.9
Percentage of Metabolizable Energy from:		
Protein, %	56.2	43.1
Fat, %	20.5	35.1
Carbohydrate, %	23.3	21.8

†Based on digestion testing conducted at the Purina PetCare Product Technology Centers.

INGREDIENTS (DRY)

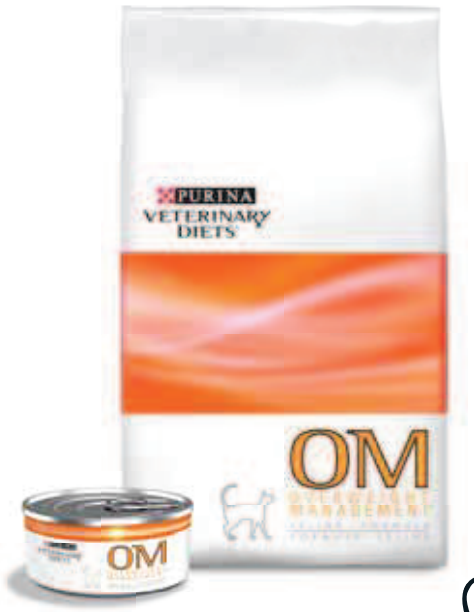
Corn gluten meal, wheat gluten, soybean meal, poultry by-product meal, oat fiber, soy protein isolate, brewers rice, fish meal, powdered cellulose, animal fat preserved with mixed-tocopherols (form of Vitamin E), phosphoric acid, animal liver flavor, calcium carbonate, potassium chloride, salt, choline chloride, L-Lysine monohydrochloride, Vitamin E supplement, taurine, zinc sulfate, ferrous sulfate, L-ascorbyl-2-polyphosphate (source of Vitamin C), manganese sulfate, niacin, Vitamin A supplement, calcium pantothenate, thiamine mononitrate, copper sulfate, riboflavin supplement, Vitamin B-12 supplement, pyridoxine hydrochloride, folic acid, Vitamin D-3 supplement, calcium iodate, biotin, menadione sodium bisulfite complex (source of Vitamin K activity), sodium selenite. N-4561

INGREDIENTS (CANNED)

Water sufficient for processing, liver, rice, chicken, meat by-products, corn gluten meal, powdered cellulose, salmon meal, guar gum, calcium phosphate, potassium chloride, taurine, carrageenan, Vitamin E supplement, thiamine mononitrate, zinc sulfate, ferrous sulfate, niacin, calcium pantothenate, Vitamin A supplement, copper sulfate, menadione sodium bisulfite complex (source of Vitamin K activity), manganese sulfate, pyridoxine hydrochloride, riboflavin supplement, Vitamin B-12 supplement, biotin, folic acid, potassium iodide, Vitamin D-3 supplement, sodium selenite. J-4572

PACKAGING

Cases of 24, 5.5-oz. cans
Bags of 6 and 16 lbs.



CLINICAL CONSIDERATIONS:

The role of dietary management in feline obesity is to provide a proper balance of total nutrients while meeting the special dietary needs of the patient. Dietary fats contribute more than twice the available energy compared to carbohydrates and protein. A low fat diet can be helpful in controlling calorie intake. Dietary crude fiber is poorly digested and helps reduce the amount of available calories and may contribute to satiety. Increased dietary protein may promote both increased metabolic activity and satiety. In addition, an increased protein:calorie ratio promotes loss of body fat while helping to minimize the loss of lean body mass during weight loss. Feeding a properly formulated diet designed to be restricted in calories, and high in fiber and protein, may be beneficial in the management of obesity while meeting the nutritional needs of the animal.

DIET CHARACTERISTICS:

Purina Veterinary Diets® OM Savory Selects Overweight Management™ Feline Formula In Gravy has been formulated to achieve the following characteristics:

- Low fat
- Low calorie
- High protein:calorie ratio
- High fiber

MEDICAL INDICATIONS:

Diets with these nutritional modifications have been recommended for cats with the following conditions:

- Obesity
- Fiber responsive colitis
- Constipation
- Hyperlipidemia in overweight cats
- Diabetes mellitus in overweight cats
- Hairballs

MEDICAL CONTRAINDICATIONS:

- Conditions associated with catabolic states

FEEDING AND ADMINISTRATION:

Animal feeding tests using Association of American Feed Control Officials (AAFCO) procedures substantiate that Purina Veterinary Diets OM Savory Selects Overweight Management Feline Formula In Gravy provides complete and balanced nutrition for maintenance of adult cats.

The following feeding program is recommended as a guideline only, with discretionary clinical adjustments for obesity management. The suggested daily food intake for weight loss is based on the cat's current weight, average caloric requirements and a desired weight loss of 1% of body weight per week. Daily food intake should be adjusted every 4 weeks.

ADULT MAINTENANCE[1]

BODY WEIGHT		FOR WEIGHT LOSS		FOR MAINTENANCE	
			APPROXIMATE NUMBER		
lbs.	kg.	KCAL/DAY[3]	OF 5.5-OZ. CANS/DAY	KCAL/DAY[3]	CANS/DAY[3]
3	1.4	66	1/2	82	5/8
5	2.3	110	7/8	136	1 1/8
8	3.6	177	1 3/8	218	1 3/4
10	4.5	221	1 3/4	272	2 1/4
15	6.8	331	2 5/8	408	3 1/4
20	9.1	441	3 1/2	544	4 3/8
25[4]	11.4	552	4 1/4	680	5 1/2
Metabolizable Energy (ME)[2]		793 kcal/kg			
Metabolizable Energy (ME)[2]		360 kcal/lb			
Metabolizable Energy (ME)[2]		124 kcal/5.5-oz. can			

[1] Adjustment must be made for environmental conditions, activity level, body condition.
[2] Kilocalories of metabolizable energy (ME).
[3] This daily amount should be divided into several small meals throughout the day.
[4] For each additional pound of body weight, feed an additional 24 kilocalories.

AVERAGE NUTRIENT CONTENT ON SERVING AND 100 CALORIE BASIS

	Grams per 100 kcal ME	Grams per 5.5-oz. can
Protein	13.24	16.37
Fat	4.05	5.00
Carbohydrate*	2.59	3.20
Fiber	2.26	2.79
Calcium	0.39	0.48
Phosphorus	0.29	0.36
Potassium	0.21	0.26
Sodium	0.15	0.19
Chloride	0.34	0.42
Magnesium	0.03	0.03
Taurine	0.14	0.17

*Calculated value

AVERAGE NUTRIENT COMPOSITION

	As Fed	Dry Matter
Protein, %	10.50	55.56
Fat, %	3.21	16.98
Carbohydrate, %**	2.05	10.85
Fiber, %	1.79	9.47
Calcium, %	0.31	1.64
Phosphorus, %	0.23	1.22
Potassium, %	0.17	0.90
Sodium, %	0.12	0.63
Chloride, %	0.27	1.43
Magnesium, %	0.02	0.11
Taurine, %	0.11	0.58

**Calculated value

DIGESTION TEST RESULTS†

Digestibility:	
Total, %	78.0
Protein, %	93.1
Fat, %	92.7
Carbohydrate, %	54.1
Calorie, %	84.3
Percentage of Metabolizable Energy from:	
Protein, %	51.6
Fat, %	38.3
Carbohydrate, %	10.1

†Based on digestion testing conducted at the Purina PetCare Technology Centers.

INGREDIENTS

Water sufficient for processing, turkey, wheat gluten, meat by-products, liver, powdered cellulose, corn starch-modified, chicken, ocean whitefish, artificial and natural flavors, calcium phosphate, L-Lysine monohydrochloride, potassium chloride, choline chloride, taurine, salt, Red 3, zinc sulfate, thiamine mononitrate, ferrous sulfate, Vitamin E supplement, added color, niacin, copper sulfate, manganese sulfate, calcium pantothenate, Vitamin A supplement, menadione sodium bisulfite complex (source of Vitamin K activity), pyridoxine hydrochloride, riboflavin supplement, Vitamin B-12 supplement, biotin, folic acid, Vitamin D-3 supplement, potassium iodide. C-4549

PACKAGING

Cases of 24, 5.5-oz. cans

CLINICAL CONSIDERATIONS:

The role of dietary management in Feline Lower Urinary Tract Disease (FLUTD) is to provide a proper balance of total nutrients while meeting the special dietary needs of the patient. Feeding a properly formulated diet designed to reduce the stone forming potential for both calcium oxalate and struvite uroliths will minimize the risk of recurrence and help to maintain urinary tract health.

DIET CHARACTERISTICS:

Purina Veterinary Diets® UR Urinary St/Ox® Feline Formulas have been formulated to achieve the following characteristics:

- Dry formula designed to promote increased water intake and to increase urine volume
- Average urine pH = 6.2 (pH range of 6.0-6.4)
- Promote the production of urine undersaturated for struvite
- Promote the production of urine metastable for calcium oxalate
- Moderate fat and calorie content

MEDICAL INDICATIONS:

Diets with these nutritional modifications have been recommended for cats for the following conditions:

- Struvite-associated FLUTD
- Dissolution of sterile struvite uroliths
- Reduced risk of both struvite and calcium oxalate uroliths
- Idiopathic cystitis

MEDICAL CONTRAINDICATIONS:

- Renal failure
- Concurrent use of urine acidifiers
- Cardiovascular disease

FEEDING AND ADMINISTRATION:

Animal feeding tests using Association of American Feed Control Officials (AAFCO) procedures substantiate that Purina Veterinary Diets UR Urinary St/Ox Feline Formulas provide complete and balanced nutrition for maintenance of adult cats.

The following feeding program is recommended as a guideline only, with discretionary clinical adjustments for proper weight maintenance.

ADULT MAINTENANCE[1]

			DRY	CANNED	
BODY WEIGHT	lbs.	kg.	APPROXIMATE NUMBER OF 8-OZ. CUPS/DAY[3]	APPROXIMATE NUMBER OF 5.5-OZ. CANS/DAY[3]	APPROXIMATE NUMBER OF 12.75-OZ. CANS/DAY[3]
	3	1.4	1/4	1/2	1/4
	5	2.3	3/8	3/4	3/8
	8	3.6	1/2	1 1/4	1/2
	10	4.5	3/4	1 1/2	5/8
	15	6.8	1	2 1/4	1
	20[4]	9.1	1 3/8	3	1 1/4
Metabolizable Energy (ME)[2]			3853 kcal/kg	1149 kcal/kg	
Metabolizable Energy (ME)[2]			1747 kcal/lb	521 kcal/lb	
Metabolizable Energy (ME)[2]			403 kcal/8-oz cup	179 kcal/5.5-oz can	415 kcal/12.75-oz can

[1] Adjustments must be made for environmental conditions, activity level, body condition. Provide fresh water in a clean container daily.
[2] Kilocalories of metabolizable energy (ME).
[3] This daily amount should be divided into several small meals throughout the day.
[4] For each additional pound of body weight, feed an additional 24 kilocalories.

AVERAGE NUTRIENT CONTENT ON SERVING AND 100 CALORIE BASIS

	DRY		CANNED	
	Grams per 100 kcal ME	Grams per 8-oz. cup	Grams per 100 kcal ME	Grams per 5.5-oz. can
Protein	12.18	39.46	10.78	17.93
Fat	3.67	11.89	6.43	10.69
Carbohydrate*	8.33	26.99	2.17	3.61
Fiber	0.70	2.27	0.36	0.60
Calcium	0.29	0.94	0.21	0.34
Phosphorus	0.29	0.94	0.21	0.34
Potassium	0.20	0.62	0.25	0.41
Sodium	0.32	1.00	0.13	0.22
Chloride	0.56	1.78	0.15	0.25
Magnesium	0.02	0.06	0.01	0.02
Taurine	0.05	0.13	0.06	0.10

*Calculated value

AVERAGE NUTRIENT COMPOSITION

	DRY		CANNED	
	As Fed	Dry Matter	As Fed	Dry Matter
Protein, %	41.90	44.90	11.50	50.62
Fat, %	12.61	13.51	6.86	30.12
Carbohydrate, %**	28.67	30.73	2.32	10.18
Fiber, %	2.42	2.58	0.38	1.70
Calcium, %	1.03	1.10	0.22	0.96
Phosphorus, %	1.01	1.08	0.22	0.97
Potassium, %	0.68	0.73	0.26	1.15
Sodium, %	1.09	1.17	0.14	0.62
Chloride, %	1.92	2.06	0.16	0.71
Magnesium, %	0.07	0.07	0.02	0.07
Taurine, %	0.16	0.17	0.07	0.29

**Calculated value

DIGESTION TEST RESULTS†

Digestibility:	DRY	CANNED
Total, %	85.51	87.93
Protein, %	92.34	91.09
Fat, %	88.41	87.93
Carbohydrate, %	88.44	90.99
Calorie, %	88.63	88.06
Percentage of Metabolizable Energy from:		
Protein, %	41.42	35.37
Fat, %	30.25	56.78
Carbohydrate, %	28.33	7.86

†Based on digestion testing conducted at the Purina PetCare Product Technology Centers.

INGREDIENTS (DRY)

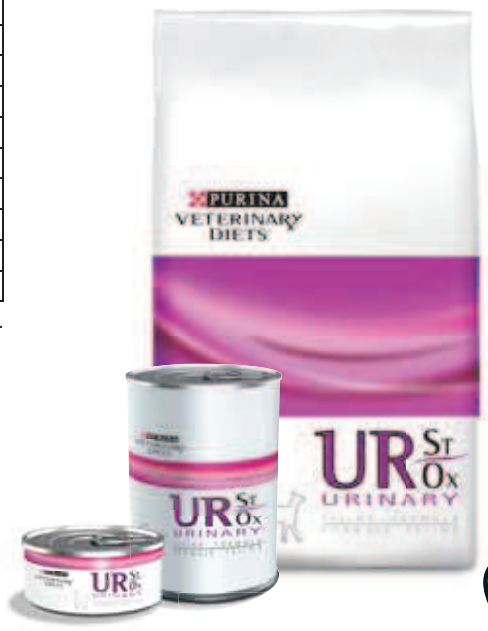
Corn gluten meal, chicken, poultry by-product meal, brewers rice, oat fiber, wheat gluten, whole grain corn, animal fat preserved with mixed-tocopherols (form of Vitamin E), salt, animal liver flavor, phosphoric acid, dried egg product, calcium carbonate, potassium chloride, fish oil, choline chloride, taurine, zinc sulfate, Vitamin E supplement, ferrous sulfate, manganese sulfate, niacin, Vitamin A supplement, calcium pantothenate, thiamine mononitrate, copper sulfate, riboflavin supplement, Vitamin B-12 supplement, pyridoxine hydrochloride, folic acid, Vitamin D-3 supplement, calcium iodate, biotin, menadione sodium bisulfite complex (source of Vitamin K activity), sodium selenite. P-4551

INGREDIENTS (CANNED)

Meat by-products, water sufficient for processing, liver, chicken, poultry by-products, rice, calcium gluconate, oat fiber, guar gum, sodium bisulfate, potassium chloride, caramel color, carrageenan, salt, taurine, Vitamin E supplement, calcium phosphate, zinc sulfate, thiamine mononitrate, ferrous sulfate, manganese sulfate, Vitamin A supplement, pyridoxine hydrochloride, copper sulfate, niacin, Vitamin B-12 supplement, riboflavin supplement, calcium pantothenate, menadione sodium bisulfite complex (source of Vitamin K activity), Vitamin D-3 supplement, folic acid, potassium iodide, biotin. I-4555

PACKAGING

Cases of 24, 5.5-oz. cans
Cases of 12, 12.75-oz. cans
Bags of 6 and 16 lbs.



GENERAL PRINCIPLES FOR THE MANAGEMENT OF URINARY STONES

1. *Surgical removal of the stones**
2. *Quantitative analysis of the stones to determine future management*
3. *Eliminate and manage the recurrence of urinary tract infections or other underlying conditions that may contribute to stone formation.*
4. *Increase water consumption.*
   This increases urine output and lowers the urinary concentration of mineral components.

**For cats known to have sterile struvite stones, dietary dissolution may be attempted. Feed a diet that produces a relative supersaturation (RSS) of less than 1.0 (UR Urinary St/Ox® Feline Formulas).*

GUIDELINES FOR REDUCING THE RISK OF URINARY STONE RECURRENCE

Urinary stones form as a result of varying combinations of underlying risk factors, many of which are uncontrollable inherent metabolic or genetic factors. Surgical removal of the stone does not eliminate the underlying metabolic risk factors. Therefore, it is important to attempt to control as many external risk factors as possible.

STRUVITE STONES (MAGNESIUM AMMONIUM PHOSPHATE) IN DOGS

1. *Culture the urine. If a stone is removed, culture the stone. Even if the urine is sterile, the stone may harbor bacteria.*
   Canine struvite stones are called "infection stones" because a urinary tract infection with urease-producing bacteria is essential for their formation.
2. *Treat with the appropriate antibiotic for a minimum of 2 weeks after stone removal.*
3. *For dogs with chronic or recurrent urinary tract infections, continue antibiotic therapy at a low dose for 6 months,* (1/3 of the standard dose is generally recommended) and culture the urine every 3 months.
4. *Increase water consumption.*
   Water may be added to the diet to enhance intake, or a canned diet may be fed.
5. *Dietary modification is not necessary.*
   Since struvite stones in dogs are the result of infection, feeding an acidifying diet or giving medication to acidify the urine is not necessary. Most normal dogs will maintain a mildly acidic urine pH when fed many diets, including: OM Overweight Management® Canine Formulas and DCO Dual Fiber Control® Canine Formula.

STRUVITE STONES (MAGNESIUM AMMONIUM PHOSPHATE) IN CATS

1. *Feed a mildly acidifying diet (UR Urinary St/Ox® Feline Formulas) formulated to produce a relative supersaturation (RSS) of 1 or less.*
2. *Culture the urine and administer appropriate antibiotic therapy if indicated.*
   Most cases of struvite stones in cats are not associated with primary infection, but may result in a secondary infection.
3. *Increase water consumption.*
   UR Urinary St/Ox® promotes increased water intake and increased urine volume. Water may also be added to the diet to enhance intake.

CALCIUM OXALATE STONES IN DOGS

(Dietary management has not been shown effective in treating or preventing calcium oxalate stones. Current research regarding dietary associations with calcium oxalate has provided conflicting results, so absolute recommendations are not appropriate at this time. However certain dietary characteristics may help reduce the risk of calcium oxalate formation.)

1. *Avoid use of Vitamin C, urine acidifiers, or calcium supplements.*
2. *Avoid feeding a low calcium diet.*
   Low calcium diets appear to enhance oxalate absorption, so a low calcium diet can actually increase the risk for calcium oxalate stones.
3. *Avoid acidifying diets.*
   Feed a diet to promote a fasting urine pH of 6.5-7.5. Feeding a non-acidifying diet (NF Kidney Function® Canine Formulas) may be sufficient. If not, use oral potassium citrate to effect, provided with meals. Initial dose 100 mg/kg/day in two divided doses.
4. *Increase water consumption.*
5. *If hypercalcemia is present, identify and eliminate the cause.*

CALCIUM OXALATE STONES IN CATS

1. *Increase water consumption.*
2. *Avoid over-restriction of dietary magnesium.*
   Magnesium is a natural inhibitor of calcium oxalate stones.
3. *Feed a diet with moderate levels of dietary calcium and phosphorus.*
4. *Feed a diet, such as UR Urinary St/Ox®, that results in urine that is metastable or undersaturated for calcium oxalate (RSS of less than 8.0).*
5. *If hypercalcemia is present, identify and eliminate the cause.*
6. *Control urinary tract infection, if present.*

URATE STONES IN DOGS AND CATS

1. *Rule out or correct portosystemic shunt, if present. This is a common cause of urate stones in cats and non-Dalmatian dogs.*
2. *Feed a low purine diet (NF Kidney Function formulas for dogs and cats or HA Hypoallergenic® Canine Formula).*
   Diets containing organ meat protein generally have a much higher purine content than diets composed of vegetable protein.
3. *Alkalinize the urine.*
   Maintain a fasting urinary pH of 7.0-7.5. Feeding a non-acidifying diet (NF Kidney Function) may be sufficient. If not, use oral potassium citrate to effect, provided with meals. Initial dose 100 mg/kg/day in two divided doses.
4. *Control urinary tract infections, if present.*
5. *Administer allopurinol to Dalmatians if needed (Initial dose 10 mg/kg/day orally.)*
   Allopurinol lowers the urinary urate excretion.

RECOMMENDED READING:

Ling, G.V. Lower Urinary Tract Disease of Dogs and Cats, 1995, Mosby-Year Book, Inc.

GLUCOTEST® FELINE URINARY GLUCOSE DETECTION SYSTEM

So many factors can affect a diabetic cat's glycemic control from day to day. From the amount of insulin actually delivered, to the quantity and type of diet consumed, exercise and even stress.

Purina® Glucotest® Feline Urinary Glucose Detection System is an easier way to help ensure diabetic cats are well controlled at home. Available only through veterinarians, these indicator pieces work in the litter box to alert owners of changes in urine glucose levels that may require veterinary attention.

Simply mix it in the litter box, and monitor periodically for color changes.

Glucose Concentration

0 mg/dl glucose | 50 mg/dl glucose | 150 mg/dl glucose | 300 mg/dl glucose | 600 mg/dl glucose

A unique system to improve home management of your feline diabetic patients.
To help manage blood glucose levels, Purina Veterinary Diets® DM Dietetic Management® Feline Formula provides your patients with a revolutionary diet high in protein and low in carbohydrates. Together with Purina Glucotest, this system can help you feel more confident that your diabetic patients are being well managed at home.

The Purina Glucotest Urinary Glucose Detection System can be used with scooping, clumping or conventional clay litters, as well as with alternative litters, such as newspaper. Each packet provides accurate reactions for up to five days.

For best results:

- Indicator pieces should be mixed with clean litter
- In multi-cat households, isolate the cat being tested with its own litter box
- Wet pieces should be read daily and removed from the litter box
- After five days, discard the entire contents of the litter box
- Indicator pieces should not be exposed to bleach, baking soda or ammonia-based cleaning products
- Owners should avoid handling the pieces