

SUMMARY

ROYAL CANIN Veterinary Diet^{TM/MC} canine SENSITIVITY LR^{TM/MC} (canned) and SENSITIVITY RC 21^{TM/MC} (dry) are highly palatable, digestible, complete, and balanced diets formulated to meet the requirements of canine growth and maintenance. These diets use a limited number of ingredients that are rarely associated with dietary sensitivity in dogs.

INDICATIONS

- Dietary hypersensitivity (allergy) which may present with dermatological and/or gastrointestinal signs
- Dietary intolerance (lactose intolerance, wheat gluten enteropathy)
- Vomiting
- Idiopathic diarrhea
- Inflammatory bowel disease
- Idiopathic chronic colitis
- Otitis externa due to food sensitivity

CONTRAINDICATIONS

- None

NUTRITIONAL DIFFERENCES

(as compared to typical commercial pet foods)

- Limited ingredients
 - One primary protein source
 - Catfish meal (dry)
 - Lamb (canned)
 - One cereal ingredient (rice)
- High digestibility
- Lactose free
- Wheat gluten free
- Corn-free
- Enriched with antioxidants



RATIONALE

Dietary Sensitivity

Dietary sensitivity is a term used to describe a clinically abnormal immunological response to the ingestion of a particular food. When an immunological mechanism cannot be demonstrated, food intolerance is a more appropriate term.

Most basic food ingredients, including proteins, lipoproteins, glycoproteins, lipopolysaccharides and carbohydrates, have the potential to induce an allergic response. However, proteins are most commonly implicated in dietary sensitivity in dogs. In dogs, cow's milk, beef, and cereal account for more than half the reported cases of dietary sensitivity.

Dietary sensitivities usually present with skin and gastrointestinal signs. The most common symptoms are pruritus, vomiting, or diarrhea. The primary goal in the treatment of dietary sensitivity is to feed a diet that is balanced and does not contain the offending allergen.

A detailed diet history is necessary to identifying foods that have not previously been fed to the dog. This information forms the basis of an elimination diet which is hypoallergenic for the dog. SENSITIVITY LR^{TM/MC} (canned) and SENSITIVITY RC 21^{TM/MC} (dry) are practical and effective choices for the management of adverse reactions to food in dogs.

Food Intolerance

Food intolerance is an adverse reaction to food where an immunological mechanism cannot be demonstrated. Food intolerance may result from pharmacological, metabolic, toxic reactions, or an inability to digest the food.

Lactose intolerance is a common example of food intolerance. The dog's limited ability to hydrolyze lactose in cow's milk and dairy products may result in diarrhea.

Another example is gluten enteropathy in Irish Setters. Gluten enteropathy is a malabsorption syndrome which responds favorably to the removal of wheat gluten from the dog's diet. Feeding a lactose free, wheat gluten free, highly digestible diet will help alleviate the clinical signs of these intolerances in affected dogs. Strict quality control in the manufacturing process ensures the proper ingredients are not cross-contaminated from other diets.

Idiopathic Canine Colitis

Canine idiopathic chronic colitis is considered one of the most common causes of chronic diarrhea in dogs. Dietary management offers a non-pharmacological alternative which in many cases is successful for the long-term management of dogs with chronic colitis. The rationale behind using a selected protein diet is based on three criteria:

- High digestibility of macronutrients reduces the digestive challenge in the colon
- High digestibility ensures that few dietary antigens enter the colon since macronutrient digestion will have been completed in the small intestine
- The low antigenic content of selected protein diets reduces the chance of an immunologically-based inflammatory reaction occurring in the colon.

SENSITIVITY LR^{TM/MC} (canned) and SENSITIVITY RC 21^{TM/MC} (dry) diets have been used successfully to reduce drug requirements in dogs with idiopathic chronic colitis.

Special Tips:

- Many diets which are labeled “hypoallergenic” are not true elimination diets. They may contain additional protein sources including those antigens the owner is trying to avoid. It is important to counsel owners about true elimination diets and advise them to verify a product’s ingredients by checking the ingredient list on the label.
- Snacks, treats, dietary supplements, and flavored medications may contain allergens. It is important that the owner understands that even minor deviations from a strict limited allergen diet can lead to a recurrence of allergic symptoms.
- During the initial diagnostic period, it is important that SENSITIVITY LR^{TM/MC} (canned) or SENSITIVITY RC 21^{TM/MC} (dry) be fed exclusively.
- Although SENSITIVITY RC 21^{TM/MC} (dry) is a fishmeal-based diet, it does not have a noticeable fish odor. Owners will not notice any unpleasant odors with this diet.

GENERAL FEEDING RECOMMENDATIONS

- Daily feeding recommendations may be divided into two to four meals.
- Fresh water should be available at all times.
- Individual requirements may vary depending on breed, age, sex, environment, and activity level.
- No other protein sources should be made available while feeding SENSITIVITY LR^{TM/MC} (canned) or SENSITIVITY RC 21^{TM/MC} (dry).
- The mixing of SENSITIVITY LR^{TM/MC} (canned) and SENSITIVITY RC 21^{TM/MC} (dry) is **not** recommended.

FEEDING GUIDE

FEEDING RECOMMENDATIONS FOR ADULT DOGS

Body Weight		Suggested Caloric Intake kcal/day	Daily Feeding	
lb	kg		Canned Only (cans/day)	Dry Only (8-oz cups/day)
5	2.3	203	1/2	1
10	4.5	342	1	1 1/2
20	9.1	575	1 1/2	2 2/3
30	13.6	779	2	3 1/2
40	18.1	967	2 1/2	4 1/3
50	22.7	1143	3	5 1/4
60	27.2	1311	3 1/2	6
70	31.8	1471	4	6 2/3
80	36.3	1626	4 1/3	7 1/3
90	40.8	1777	4 3/4	8
100	45.4	1923	5 1/4	8 3/4
110	49.9	2065	5 1/2	9 1/3
120	54.4	2204	6	10
130	59.0	2341	6 1/3	10 2/3
140	63.5	2475	6 2/3	11 1/4
150	68.0	2606	7	11 3/4



CANINE

FEEDING GUIDE FOR PUPPIES – CANNED ONLY

Adult Weight of Dog		Age of Puppy in Months Cans per day												
lb	kg	2	3	4	5	6	7	8	10	12	14	18	22	24
5	2.27	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3
10	4.54	1	1	1 1/4	1 1/4	1	1	1	1	1	1	1	1	1
20	9.08	1 1/2	1 3/4	2	2	2	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
30	13.6	2	2 1/3	2 1/2	2 2/3	2 2/3	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
40	18.2	2 1/2	3	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3	3	3	3	3	3
50	22.7	2 3/4	3 1/2	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 2/3	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
60	27.2	3 1/4	3 3/4	4 1/4	4 1/3	4 1/3	4 1/3	4 1/4	4 1/4	4 1/4	4	4	4	4
70	31.8	3 1/4	4	4 1/2	4 3/4	5	5	4 3/4	4 3/4	4 2/3	4 2/3	4 2/3	4 2/3	4 2/3
80	36.3	3 1/3	4 1/3	5	5 1/4	5 1/3	5 1/3	5 1/3	5 1/4	5 1/4	5	5	5	5
90	40.9	3 2/3	4 3/4	5 1/2	5 3/4	6	6	5 3/4	5 3/4	5 2/3	5 1/2	5 1/2	5 1/2	5 1/2
100	45.4	4	5 1/3	6	6 1/4	6 1/3	6 1/3	6 1/3	6 1/4	6 1/4	6	6	6	6
110	49.9	4 3/4	6	6 1/3	6 3/4	6 3/4	7	6 3/4	6 3/4	6 2/3	6 1/2	6 1/2	6 1/2	6 1/2
120	54.5	5	6 1/4	6 3/4	7 1/4	7 1/3	7 1/3	7 1/3	7 1/4	7	7	7	7	7
130	59	5	6 1/2	7 1/4	7 1/2	7 3/4	7 3/4	7 3/4	7 2/3	7 1/2	7 1/2	7 1/3	7 1/3	7 1/3
140	63.6	5	6 2/3	7 1/2	8	8	8 1/4	8 1/4	8 1/4	8	8	7 3/4	7 3/4	7 3/4
150	68.1	5 1/4	7	7 3/4	8 1/4	8 1/2	8 2/3	8 2/3	8 2/3	8 1/2	8 1/3	8 1/4	8 1/4	8 1/4

FEEDING GUIDE FOR PUPPIES – DRY ONLY

Adult Weight of Dog		Age of Puppy in Months 8-oz cups per day												
lb	kg	2	3	4	5	6	7	8	10	12	14	18	22	24
5	2.3	1	1	1 1/4	1 1/4	1	1	1	1	1	1	1	1	1
10	4.5	1 2/3	1 3/4	2	2	2	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
20	9.1	2 1/2	3	3 1/4	3 1/4	3 1/4	3 1/4	3	3	3	3	3	3	3
30	13.6	3 1/2	4	4 1/3	4 1/3	4 1/3	4 1/4	4 1/4	4 1/4	4	4	4	4	4
40	18.1	4 1/4	5	5 1/3	5 1/2	5 1/3	5 1/3	5 1/4	5 1/4	5	5	5	5	5
50	22.7	4 3/4	5 3/4	6 1/4	6 1/3	6 1/3	6 1/3	6 1/4	6 1/4	6	6	6	6	6
60	27.2	5 1/3	6 1/2	7	7 1/3	7 1/3	7 1/3	7 1/4	7	7	7	7	7	7
70	31.8	5 1/3	6 2/3	7 2/3	8	8 1/4	8 1/4	8 1/4	8	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
80	36.3	5 2/3	7 1/3	8 1/2	9	9	9	9	8 3/4	8 2/3	8 1/2	8 1/2	8 1/2	8 1/2
90	40.8	6	8	9 1/4	9 3/4	10	10	9 3/4	9 2/3	9 1/2	9 1/3	9 1/3	9 1/3	9 1/3
100	45.4	6 3/4	9	10	10 1/2	10 3/4	10 3/4	10 3/4	10 1/2	10 1/3	10 1/4	10 1/4	10 1/4	10 1/4
110	49.9	8	10	10 3/4	11 1/3	11 1/2	11 2/3	11 1/2	11 1/3	11 1/4	11	11	11	11
120	54.4	8 1/4	10 1/2	11 1/2	12	12 1/3	12 1/3	12 1/3	12 1/4	12	11 3/4	11 2/3	11 2/3	11 2/3
130	59.0	8 1/2	11	12	12 2/3	13	13 1/4	13	13	12 2/3	12 1/2	12 1/3	12 1/3	12 1/3
140	63.5	8 1/2	11 1/4	12 1/2	13 1/3	13 2/3	13 3/4	14	13 3/4	13 1/2	13 1/3	13 1/4	13	13
150	68.0	8 2/3	11 2/3	13	14	14 1/4	14 1/2	14 2/3	14 1/2	14 1/4	14	14	13 3/4	13 3/4

PRODUCT DESCRIPTION

ROYAL CANIN Veterinary Diet™^{MC} canine SENSITIVITY LR™^{MC} is a complete, balanced diet formulated to meet requirements for growth and may be fed to both adult dogs and growing puppies. It is a highly palatable, highly digestible diet. Lamb is the only source of protein. Rice is the only source of carbohydrate.

NUTRITION STATEMENT

Animal feeding tests using AAFCO procedures substantiate that SENSITIVITY LR™^{MC} provides complete and balanced nutrition for the growth of puppies and maintenance of adult dogs.



The protein in the diet is provided by Lamb and Rice which are rarely associated with allergic reactions in dogs.



Highly digestible ingredients ensure optimal intake of nutrients and minimize allergenic residues available to stimulate an immune response.

GUARANTEED ANALYSIS

Crude Protein, (min)	7.0%
Crude Fat, (min)	5.5%
Crude Fiber, (max)	1.0%
Moisture, (max)	78.0%

METABOLIZABLE ENERGY

From Protein	28.5%
From Fat	43.6%
From Carbohydrate	27.9%

Approximately 371 kcal per 13.2 oz (375 g) can (99 kcal per 100 g).

INGREDIENTS

LAMB BY-PRODUCTS, WATER, LAMB, RICE, TRACE MINERALS (CALCIUM CARBONATE, SODIUM TRIPOLYPHOSPHATE, POTASSIUM CHLORIDE, MAGNESIUM OXIDE, FERROUS SULFATE, ZINC SULFATE, MANGANESE SULFATE, CALCIUM IODATE, COPPER SULFATE), CELLULOSE POWDER, GUAR GUM, CARRAGEENAN, NATURAL FLAVORS, CAROB GUM, VEGETABLE OIL, TAURINE*, VITAMINS (CHOLINE CHLORIDE, DL-ALPHA TOCOPHEROL ACETATE [SOURCE OF VITAMIN E], THIAMINE MONONITRATE [VITAMIN B1], D-CALCIUM PANTOTHENATE, NIACIN, PYRIDOXINE HYDROCHLORIDE [VITAMIN B6], RIBOFLAVIN [VITAMIN B2], FOLIC ACID, BIOTIN, SELENIUM), DL-METHIONINE.

*Not recognized as an essential nutrient by the AAFCO Dog Food Nutrient Profiles.



CANINE

TYPICAL ANALYSIS

Nutrient	Unit	Per 100 g as fed	Per 1000 kcal
Moisture	g	75.4	
Protein	g	9.01	91.01
Fat	g	5.67	57.27
Carbohydrate	g	8.83	89.19
Ash	g	2.06	20.81
Crude Fiber	g	0.74	7.47
Minerals			
Calcium	g	0.40	4.04
Phosphorus	g	0.33	3.33
Sodium	g	0.18	1.82
Chloride	g	0.30	3.03
Potassium	g	0.24	0.44
Magnesium	g	0.044	0.40
Copper	mg	0.67	6.77
Iron	mg	7.37	74.44
Zinc	mg	3.60	36.36
Manganese	mg	0.77	7.78
Iodine	mg	0.099	1
Vitamins			
Vitamin A	IU	5190	52424
Vitamin D3	IU	20	202
Vitamin E	mg	8.20	82.83
Thiamine (B1)	mg	0.40	4.04
Riboflavin (B2)	mg	1.00	10.10
Niacin	mg	3.22	32.53
Pyridoxine (B6)	mg	0.86	8.69
Pantothenic Acid	mg	1.59	16.06
Folic Acid	mg	0.130	1.313
Cobalamin (B12)	mg	0.0118	0.1192
Biotin	mg	0.02	0.2020
Choline	mg	130	1313
Fatty Acids			
Linoleic acid	g	1.28	12.93
Amino Acids			
Arginine	g	0.44	4.44
Lysine	g	0.46	4.65
Methionine	g	0.22	2.22
Methionine + Cystine	g	0.30	3.03
Taurine	g	0.050	0.505



ORDERING INFORMATION

Can	Weight		Item Code
	oz	g	
24 per case	13.2	375	K60411

PRODUCT DESCRIPTION

ROYAL CANIN Veterinary Diet™^{TM/MC} canine SENSITIVITY RC 21™^{TM/MC} is a complete and balanced diet formulated to meet requirements for growth and may be fed to both adult dogs and growing puppies. It is a highly palatable, highly digestible product. Catfish meal is the only source of protein. Rice is the only source of carbohydrate.

NUTRITION STATEMENT

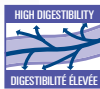
SENSITIVITY RC 21™^{TM/MC} is formulated to meet the nutritional levels established by the AAFCO Dog Food Nutrient Profiles for growth and adult maintenance.



The protein in the diet is provided by Rice and Catfish meal which are rarely associated with allergic reactions in dogs.



Naturally preserved with mixed tocopherols, rosemary extract, and citric acid.



Highly digestible ingredients ensure optimal intake of nutrients and minimize allergenic residues available to stimulate an immune response.

GUARANTEED ANALYSIS

Crude Protein, (min)	21.5%
Crude Fat, (min)	7%
Crude Fiber, (max)	6.6%
Moisture, (max)	10.5%

METABOLIZABLE ENERGY

From Protein	26.3%
From Fat	22.6%
From Carbohydrate	51.1%

Approximately 220 kcal per 8-oz cup; 358 kcal per 100 g; 62 g per 8-oz cup.

INGREDIENTS

RICE, CATFISH MEAL, CELLULOSE POWDER, RICE GLUTEN, CHICKEN FAT, NATURAL FLAVORS, VEGETABLE OIL, POTASSIUM CHLORIDE, SODIUM CHLORIDE, CHOLINE CHLORIDE, TAURINE*, VITAMINS [DL-ALPHA-TOCOPHEROL (SOURCE OF VITAMIN E), INOSITOL, NIACIN, L-ASCORBYL-2-POLYPHOSPHATE (SOURCE OF VITAMIN C*), D-CALCIUM PANTOTHENATE, BIOTIN, PYRIDOXINE HYDROCHLORIDE (VITAMIN B6), RIBOFLAVIN (VITAMIN B2), THIAMINE MONONITRATE (VITAMIN B1), VITAMIN A ACETATE, FOLIC ACID, VITAMIN B12 SUPPLEMENT, VITAMIN D3 SUPPLEMENT], TRACE MINERALS [ZINC AMINO ACID CHELATE, ZINC OXIDE, FERROUS SULFATE, MANGANESE AMINO ACID CHELATE, COPPER AMINO ACID CHELATE, COPPER SULFATE, MANGANOUS OXIDE, SODIUM SELENITE, CALCIUM IODATE], PRESERVED WITH NATURAL MIXED TOCOPHEROLS, ROSEMARY EXTRACT, AND CITRIC ACID.

*Not recognized as an essential nutrient by the AAFCO Dog Food Nutrient Profiles.



CANINE

TYPICAL ANALYSIS

Nutrient	Unit	Per 100 g as fed	Per 1000 kcal
Moisture	g	9	
Protein	g	23.5	65.7
Fat	g	9.0	25.2
Carbohydrate	g	45.7	127.7
Ash	g	8.2	22.9
Crude Fiber	g	4.6	12.9
Total Dietary Fiber	g	6.8	19.0
Minerals			
Calcium	g	1.70	4.75
Phosphorus	g	1.20	3.35
Sodium	g	0.45	1.26
Chloride	g	1.00	2.79
Potassium	g	0.70	1.96
Magnesium	g	0.07	0.20
Copper	mg	2.8	7.8
Iron	mg	13.5	37.7
Zinc	mg	23.0	64.3
Manganese	mg	6.5	18.2
Iodine	mg	0.33	0.92
Selenium	mg	0.025	0.070
Vitamins			
Vitamin A	IU	2800	7826
Vitamin D3	IU	110	307
Vitamin E	mg	64	179
Thiamine (B1)	mg	2.6	7.3
Riboflavin (B2)	mg	4.6	12.9
Niacin	mg	91.5	255.7
Pyridoxine (B6)	mg	7.2	20.1
Pantothenic Acid	mg	13.7	38.3
Folic Acid	mg	1.3	3.6
Cobalamin (B12)	mg	0.013	0.036
Biotin	mg	0.30	0.84
Choline	mg	300	838
Fatty Acids			
Linoleic acid	g	1.9	5.3
Arachidonic acid	g	0.03	0.08
Amino Acids			
Arginine	g	1.7	4.8
Lysine	g	0.9	2.5
Methionine	g	0.5	1.4
Methionine + Cystine	g	0.8	2.2
Taurine	g	0.3	0.8



ORDERING INFORMATION

Bag Size	Weight		Item Code
	lb	kg	
Small	n/a	n/a	n/a
Medium	5	2.27	28605
Large	16	7.26	28616
Extra Large	n/a	n/a	n/a

REFERENCES

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