



**Renal Support Low Protein can be an excellent diet choice for the nutritional management of dogs with azotemia and chronic or advanced kidney disease. This diet addresses the following key nutritional factors:**

- Made 100% with ingredients certified, inspected, and approved by the USDA for human consumption
- Low protein and phosphorus levels to reduce burden on kidneys
- Lower sodium and potassium levels help to manage progression of the disease
- Moist/wet diet to maintain hydration
- More palatable than commercial prescription diets

*“As a veterinary toxicologist I am aware of the potential toxins that can occur naturally in pet foods. Feeding my dogs a food with trusted ingredients is important to me and that’s why I choose to use JustFoodForDogs. The likelihood of a food-based toxin such as aflatoxin and other mycotoxins is lower than what might occur in dry kibbled foods. And my dogs really love it! They really thrive on it.”*

— Dr. John Tegzes, VMD, Dipl. ABVT

# TYPICAL ANALYSIS: Renal Support Low Protein

Nutrient	/kg As Fed	/kg Dry Matter	/1000 kcals
Protein	59.81 g	197.24 g	40.68 g
Total lipid (fat)	57.41 g	189.30 g	39.04 g
Carbohydrates (NFE)	173.83 g	573.21 g	118.22 g
Fiber, total dietary	11.17 g	36.84 g	7.60 g
Calcium, Ca	1766.13 mg	5824.00 mg	1.20 g
Iron, Fe	12.74 mg	42.02 mg	8.67 mg
Magnesium, Mg	243.63 mg	803.39 mg	0.17 g
Phosphorus, P	899.46 mg	2966.06 mg	0.61 g
Potassium, K	1617.44 mg	5333.69 mg	1.10 g
Sodium, Na	349.56 mg	1152.72 mg	0.24 g
Zinc, Zn	27.80 mg	91.68 mg	18.91 mg
Copper, Cu	2.62 mg	8.64 mg	1.78 mg
Manganese, Mn	4.97 mg	16.38 mg	3.38 mg
Selenium, Se	147.56 $\mu\text{g}$	486.59 $\mu\text{g}$	0.10 mg
Iodine, I	0.46 mg	1.51 mg	0.31 mg
Vitamin C	75.23 mg	248.07 mg	51.16 mg
Vitamin B1	1.78 mg	5.86 mg	1.21 mg
Vitamin B2	2.49 mg	8.20 mg	1.69 mg
Vitamin B3	25.87 mg	85.30 mg	17.59 mg
Vitamin B5	6.16 mg	20.30 mg	4.19 mg
Vitamin B6	1.43 mg	4.71 mg	0.97 mg
Folate	234.43 $\mu\text{g}$	773.05 $\mu\text{g}$	0.16 mg
Choline	730.19 mg	2407.87 mg	496.60 mg
Vitamin B12	44.36 $\mu\text{g}$	146.30 $\mu\text{g}$	30.17 $\mu\text{g}$
Vitamin A, IU	23311.05 IU	76870.71 IU	15853.96 IU
Vitamin E	119.80 mg	395.05 mg	122.21 IU
Vitamin D	272.42 IU	898.32 IU	185.27 IU
Vitamin K	139.69 $\mu\text{g}$	460.63 $\mu\text{g}$	95.00 $\mu\text{g}$
EPA - DHA	0.24 g	0.84 g	0.17 g
Linoleic Acid	4.32 g	14.23 g	2.94 g
Tryptophan	0.70 g	2.32 g	0.48 g
Threonine	2.59 g	8.56 g	1.76 g
Isoleucine	2.79 g	9.20 g	1.90 g
Leucine	4.73 g	15.61 g	3.22 g
Lysine	4.39 g	14.48 g	2.99 g
Methionine - Cystine	2.27 g	7.50 g	1.55 g
Phenylalanine - Tyrosine	4.68 g	15.45 g	3.19 g
Valine	3.36 g	11.07 g	2.28 g
Arginine	3.84 g	12.65 g	2.61 g
Histidine	1.74 g	5.74 g	1.18 g
Taurine	0.48 g	1.58 g	0.32 g

Ren Support Low

# Renal Support Low Protein Vet Directed Diet 14 oz, 72 oz Fresh Frozen



## DIET OVERVIEW

100% of the ingredients in our Renal Support Low Protein recipe are approved for human consumption. This recipe is formulated to achieve restrictions in protein, sodium and phosphorus, with increased calories from fat and carbohydrates. It is formulated to meet the following key nutritional factors for nutritional management of **Renal Disease** or **Liver Disease** where fat and copper restrictions are not required:<sup>1, 2</sup>

- Restricted Protein
- Restricted Phosphorus, Sodium, and Potassium
- Increased Omega 3 Fatty Acids
- Increased Vitamin B Supplementation
- Balanced for long-term feeding under veterinary supervision

<sup>1</sup>Hand MS, Thatcher CD, Remillard RL, Roudebush PR, Novotny BJ (2010) Small Animal Clinical Nutrition (5th ed.). Topeka, KS

<sup>2</sup>Jacob F, Polzin DJ, Osborne CA, et al. Clinical evaluation of dietary modification for treatment of spontaneous chronic renal failure in dogs. J AM Vet Med Assoc 2002; 220:1163-70.

## DIET INDICATIONS

- Management of clinical renal disease with or without concurrent azotemia
- Management of clinical liver disease without hyperlipidemia or copper storage disease.
- Active or low appetite dogs requiring moderate to high caloric level
- Skin allergic dogs with possible chicken, beef, or gluten allergy (Verlinden A, 2006)

## CONTRAINDICATIONS

- Sensitivity to any of the ingredients
- Growing puppies

## INGREDIENTS

- **USDA Certified Ground Lamb** provides a rich supply of high quality protein and is an especially good source of zinc and iron. It is also rich in B vitamins and is one of the best sources of the amino acid derivative carnitine.
- **Sushi Rice** contains a higher iron content and provides a desirable balance of nutrients while remaining gentle on the digestive tract.
- **Long Grain Brown Rice** is loaded with B vitamins and minerals such as magnesium and zinc and is an excellent source of complex carbohydrates.
- **Cauliflower** contains glucosinolates and thiocyanates, known antioxidants and is a great source of vitamins C and K as well as folate and manganese.
- **Carrots** are full of antioxidant compounds and are one of the richest sources of pro-vitamin A carotenes. They are a very good source of vitamins C and K, potassium and dietary fiber.
- **Spinach** is rich in beta-carotene and lutein and has excellent antioxidant properties. Spinach is also a great source of vitamin K, magnesium, folate and manganese as well as omega-3 fatty acids and zinc.
- **Blueberries** are a great source of antioxidants such as ellagic acid, a phytochemical known to prevent cell damage.
- **USDA Certified Lamb Liver** is a nutrient dense food. Ounce for ounce, it contains the most concentrated amounts of protein and vitamin A. It's a rich source of heme-iron, the most bioavailable form of iron. Liver is also rich in bioavailable copper, folate, riboflavin, niacin, phosphorus and zinc.
- **Icelandic Premium Fish Oil** is sourced direct from the world's cleanest, purest, and greenest sources. This exclusive supplement is pure, potent, natural and detoxified, and provides Omega 3 fatty acids in highly biologically available forms of EPA and DHA.

## INGREDIENTS (Cont.)

- **JFFD Nutrient Blend** is formulated specifically to meet NRC standards. The blend is compounded from 100% human grade nutraceuticals regulated by the FDA.

## NUTRITIONAL SUITABILITY STATEMENT

This diet has been formulated for the long-term nutritional management of acute or chronic renal disease and liver disease. For use under direction of a veterinarian.

<b>Caloric Information</b> Compare to: <b>Royal Canin® Renal LP and Hills® k/d</b>				<b>Guaranteed Analysis</b> As Fed		<b>Dry Matter</b>
Kcal/kg: 1470		Kcal/oz: 40		g/1000kcal: 680		
Metabolizable Energy % from:	JFFD Renal LP	2014 RC Renal LP	2014 Hills k/d	Protein	6.0%	20.0%
Protein	16.0%	13.0%	12.0%	Fat	4.0%	13.0%
Fat	35.0%	51.0%	46.0%	Carb	16.5%	55.0%
Carbohydrates	49.0%	36.0%	42.0%	Fiber	1.5%	5.0%
Phosphorus (mg/1000 kcals)	610	600	590	Ash	2.0%	7.0%
Sodium (mg/1000 kcals)	240	600	420	Moisture	70.0%	---
Potassium (g/1000 kcals)	1.10	2.0	1.69	Phosphorus		0.30%
Calcium-Phosphorus ratio:				2.0:1		
Omega 6: Omega 3 ratio:				3.5:1		
Nutritional Information averages according to USDA SR26 database. Nutritional information for items not available in USDA SR26 originates from manufacturers and independent lab analyses.						

Royal Canin® is a trademark of Royal Canin USA, Inc. Hill's® Prescription is a trademark of Hill's Pet Nutrition, Inc.

## RECOMMENDED DAILY FEEDING GUIDE (feeding amount per day)

For best results it is recommended that pet owners weigh the food in ounces using a digital scale. If they do not have a scale, they may estimate volume in cups per the chart below. The chart is only a guide; always adjust feeding recommendations based on careful monitoring of the weight of the patient.

<b>Wt (lbs)</b>	<b>Oz (wt)</b>	<b>Cups (est)</b>	<b>Wt (lbs)</b>	<b>Oz (wt)</b>	<b>Cups (est)</b>
<b>5 - 10</b>	5 - 8	0.5 – 1.0	<b>75 - 80</b>	37 - 39	4.5 – 5.0
<b>15 - 20</b>	11 - 14	1.25 – 1.75	<b>85 - 90</b>	41 - 43	5.0 – 5.25
<b>25 - 30</b>	16 - 19	2.0 – 2.25	<b>95 - 100</b>	44 - 46	5.5 – 5.75
<b>35 - 40</b>	21 - 23	2.5 – 3.0	<b>110 - 115</b>	49 - 51	6.0 – 6.5
<b>45 - 50</b>	25 - 27	3.0 – 3.5	<b>120 - 125</b>	53 - 54	6.5 – 6.75
<b>55 - 60</b>	29 - 31	3.5 – 4.0	<b>130 - 135</b>	56 - 58	7.0 – 7.75
<b>65 - 70</b>	33 - 35	4.0 – 4.5	<b>140 - 145</b>	59 - 61	7.5 – 7.75