Whole Food Canine Clinical Nutrition

Comprehensive Veterinary Product Guide

for the exclusive use by licensed veterinarians and technicians







2017 - 2018 Veterinary Guide



Clinically Proven, Scientifically Tested, Specialist Approved Nutrition.

It has been over 150 years since the first commercial dog biscuit was developed by James Spratt in London and although we have amassed tremendous pet nutrition knowledge since then, many veterinarians and pet owners are still being told that cans and kibble – and their highly processed feed grade ingredients – are the best food to give to their pets. This is simply no longer the case.

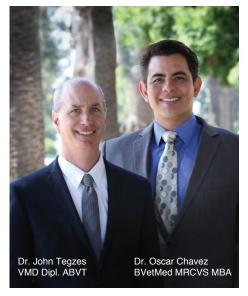
Our food is proven healthy and we are serious about veterinary nutrition. Our daily recipes are the only commercially available diets that have been clinically shown to boost cells and proteins of the immune system through independent university research. The results were published in the *Journal of Animal Physiology and Animal Nutrition.* We have also found a natural synergy with the fastest growing provider of medical insurance for cats and dogs in the US and Canada, Trupanion. We believe Trupanion to be the best in class provider and we are proud to partner with them in achieving each of our missions: "To help pets live longer, healthier lives" and "To help the pets we all love receive the best veterinary care."

Our concept is simple: we apply the knowledge we have gained from commercial diets over the last 100 years, as well as the consistently updated information we receive from the National Research Council (NRC) and scientific journals, to whole food ingredients to formulate food for dogs. We use only ingredients inspected and approved by the USDA for human consumption to maximize bioavailability and quality, and to minimize potential contaminants and toxins. We cook the food to minimum safe temperatures established by the FDA in our own kitchens in Southern California. Our food is prepared fresh daily in small batches, instantly chilled and packaged frozen.

We have run all of our daily diets and recipes through novel, humane, at-home AAFCO feeding trials executed by a major Southern California university. We have worked closely with board certified specialists in various fields on the development of our veterinary line of diets, and we regularly test our food and ingredients through independent laboratories and through our board certified veterinary toxicologist and professor at Western University, Dr. John Tegzes, VMD, Dipl. ABVT.

Thank you so much for the opportunity to improve your patients' quality of life through proven whole food nutrition.

Dr. Oscar E. Chavez, BVetMed, MRCVS MBA Chief Medical Officer JustFoodForDogs, LLC



Veterinary Support Diet Guide

	Daily Canine Veterinary Nutrition								
Growth All Life Stages	Chicken and White Rice* Fish and Sweet Potato*	Adulthood	Beef and Russet Potato* Lamb and Brown Rice* Turkey and Macaroni* Venison and Squash*						
	Canine Veterinar	y Directed Nutrition							
Anorexia or Cancer	Neoplasia Support Consider Any Daily Diet*	Hepatic or Copper Storage Disease	Hepatic Support Low Fat Renal Support Low Protein						
Dermatology	Derm Support Fish Joint & Skin Support Fish and Sweet Potato* Balance Remedy Consider Any Daily Diet*	Gastrointestinal, Inflammatory Bowel or Irritable Bowel	Balanced Remedy Derm Support Fish Joint & Skin Support Fish and Sweet Potato* Venison and Squash*						
Diabetes, Cushing's Hypothyroidism or Addison's	Metabolic Support Low Fat	Lymphangiectasia	Balanced Remedy Derm Support Fish						
Pancreatitis or Exocrine Pancreatic	Balanced Remedy Fish and Sweet Potato*		Fish and Sweet Potato* Venison and Squash*						
Insufficiency	Metabolic Support Low Fat Hepatic Support Low Fat	Renal Disease Sub-clinical	Renal Support Mod Protein						
Weight Management	Metabolic Support Low Fat Hepatic Support Low Fat Fish and Sweet Potato*	Clinical with Pancreatitis	Renal Support Low Protein Hepatic Support Low Fat						
	Balanced Remedy	Osteoarthritis	Joint & Skin Support						
Low Sodium for Cardiac Health	Turkey and Macaroni* Beef and Russet Potato* Lamb and Brown Rice* Venison and Squash*	Emergency and Critical Care	Balanced Remedy Renal Moderate Protein Neoplasia Support Consider Any Daily Diet*						

* Daily diets do not need a prescription. All daily diets have passed AAFCO feeding trial criteria and have been clinically shown to boost white blood cells and antibodies in healthy dogs that were fed JFFD instead of kibble, in independent university research. Consider starting your patients on a daily diet ASAP for optimal long-term health.

Study abstract included on page 49 of this guide. Data on file, JustFoodForDogs LLC

NUTRITIONAL SUITABILITY STATEMENT- For use under direction of a veterinarian.

All JustFoodForDogs veterinary support diets have been formulated for the long-term nutritional management of their corresponding diseases or illnesses and are intended to be used under direction of a veterinarian.





Balanced Remedy is formulated to improve gastrointestinal conditions such as diarrhea and vomiting by addressing the following key nutritional factors:

- Made 100% with <u>ingredients</u> certified, inspected, and approved by the USDA for human consumption
- 100% USDA ground lean turkey breast, restricted fat
- Low residue
- · Ideal omega 6:3 ratio and added premium DHA/EPA
- · Balanced for long-term feeding under veterinary supervision

"Nutrition will always be an important aspect of maintaining a dog's health and facilitating recovery. JustFoodForDogs is able to formulate to the needs of my patients based on specific health concerns. The organization is professional, caring and very responsive."

Dr. Cindy Duesberg, DVM, DACVIM

TYPICAL ANALYSIS: Balanced Remedy

Nutrient	/kg As Fed	d /kg Dry Ma	atter	/1000 kcals
Protein	60.10 g			48.38 g
Total lipid (fat)	8.75 g		g	7.04 g
Carbohydrates (NFE)	220.62 g	725.57	-	177.47 g
Fiber, total dietary	5.59 g		g	4.50 g
Sugars	0.16 g	0.54	-	0.13 g
Calcium, Ca	Ŭ	ng 4379.21	9 mg	1.07 g
Iron, Fe		ig 33.66	mg	8.23 mg
Magnesium, Mg		ng 659.84	mg	0.16 g
Phosphorus, P		ng 3348.74	mg	0.82 g
Potassium, K		ng 4361.39	mg	1.07 g
Sodium, Na		ng 883.22	mg	0.22 g
Zinc, Zn		ng 67.52	mg	16.52 mg
Copper, Cu		ng 6.74	mg	1.65 mg
Manganese, Mn		ng 9.30	mg	2.28 mg
Selenium, Se		μg 380.61	µg	0.09 mg
Chloride, Cl		ng 2742.39	mg	670.76 mg
lodine, l		ng 0.89	mg	0.22 mg
Vitamin B1		ng 3.55	mg	0.87 mg
Vitamin B2		ng 5.84	mg	1.43 mg
Vitamin B3		ng 81.16	mg	19.85 mg
Vitamin B5		ng 16.74	mg	4.10 mg
Vitamin B6		ng 4.84	mg	1.18 mg
Folate		μg 1115.91	µg	0.27 mg
Choline		ng 1790.06	mg	437.83 mg
Vitamin B12	12.56 Â	μg 41.33	µg	10.11 µg
Vitamin A, IU	1517.84 IU	J 4995.88	IU	1221.94 IU
Vitamin E	122.16 m	ng 401.75	mg	147.40 IU
Vitamin D	194.84 IL	J 641.31	IU	156.86 IU
Vitamin K	0.34 Â	μg 1.12	Âμg	0.27 µg
EPA - DHA	0.29 g	0.96	g	0.23 g
Linoleic Acid	3.51 g	11.55	g	2.82 g
Tryptophan	0.61 g	2.01	g	0.49 g
Threonine	2.01 g	6.63	g	1.62 g
Isoleucine	1.87 g	6.17	g	1.51 g
Leucine	4.12 g	13.56	g	3.32 g
Lysine	3.72 g	12.24	g	2.99 g
Methionine - Cystine	2.15 g	7.06	g	1.72 g
Phenylalanine - Tyrosine	3.93 g		-	3.16 g
Valine	2.33 g	7.68	-	1.88 g
Arginine	3.67 g		-	2.95 g
Histidine	1.44 g		g	1.16 g
Taurine	0.27 g	0.88	g	0.21 g

Balanced Remedy Vet Directed and Daily Diet 14 oz, 72 oz Fresh Frozen



Pancreatitis

Lymphangiectasia

Protein Losing Enteropathy

DIET OVERVIEW

Balanced Remedy is made 100% with fresh, whole food ingredients approved for human consumption and can be used as a temporary GI recovery diet (i.e.: post-op GI surgery), or as a long-term diet for sensitive GI tracts, addressing the following key nutritional factors:1

Hyperlipidemia

Post-op Recovery

- Highly Digestible Single Protein Source
 Highly Digestible Single Carbohydrate Source
- · Balanced for long-term feeding under veterinary supervision Limited Inaredients

Acute and Chronic Diarrhea

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

DIET INDICATIONS

- Healthy dogs
- Obesity
- Food Responsive Gastroenteritis
- Exocrine Pancreatic Insufficiency

CONTRAINDICATIONS

- · Sensitivity to any of the ingredients
- Growing puppies

INGREDIENTS

- USDA Certified Ground Turkey Breast is a high quality source of lean protein and contains selenium, niacin, iron, zinc, phosphorus, potassium and B vitamins.
- Long Grain Enriched White Rice is an easily digestible grain fortified with B Complex. It's also loaded with iron, calcium, magnesium, manganese, zinc, copper and selenium.
- Sushi Rice contains a higher iron content and provides a desirable balance of nutrients while remaining gentle on the digestive tract.
- · Sunflower Oil is a natural and medicinal oil pressed from the seeds of the sunflower and is rich in "good" essential, unsaturated fatty acids such as linoleic acid. (National Research Council Ad Hoc Committee on Dog and Cat Nutrition, 2006).
- 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.
- 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 adult maintenance and GI disease. For use under direction of a veterinarian.

Caloric Information Compare to: Royal Canin [®] GI Low Fat and Hills [®] i/d Low Fat					l Analysis ed	Dry Matter
Kcal/kg: 1243	Kcal/oz: 35	g	/1000kcal: 800	Protein	6.0%	21.0%
Metabolizable	Balanced	2014 RC	2014 Hills	Fat	0.5%	2.0%
Energy % from:	Remedy	GI Low Fat	i/d Low Fat	Carb	19.5%	70.0%
Protein	20.0%	24.0%	24.0%	Fiber	1.0%	3.5%
Fat	7.0%	17.0%	20.0%	Ash	1.0%	3.5%
Carbohydrates	73.0%	59.0%	50.0%	Moisture	72.0%	
	Calcium-Phosphorus ratio:					
		9:1				
Nutritional Informat	on avoragos acco	rding to LISDA S	P26 databasa	lutritional infor	mation for ite	me not

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.

ADDITIONAL REFERENCES

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RECOMMENDED DAILY FEEDING GUIDE (feeding amount per day)

Wt (Ibs)	Oz (wt)	Cups (est)	Wt (lbs)	Oz (wt)	Cups (est)
5 - 10	6 - 10	0.75 – 1.25	75 - 80	43 - 45	5.5 - 6.0
15 - 20	13 - 16	1.75 – 2.0	85 - 90	47 - 50	6.0 - 6.5
25 - 30	19 - 22	2.5 – 3.0	95 - 100	52 - 54	6.75 – 7.0
35 - 40	24 - 27	3.25 - 3.5	110 - 115	58 - 60	7.5 – 7.75
45 - 50	29 - 32	4 - 4.25	120 - 125	61 - 63	8.0 - 8.25
55 - 60	34 - 37	4.5 – 4.75	130 - 135	65 - 67	8.5 - 8.75
65 - 70	39 - 41	5.0 - 5.25	140 - 145	69 - 71	9.0 - 9.25



Neoplasia Support is designed to help maintain health for dogs with cancer whether or not they are undergoing chemotherapy by addressing the following key nutritional factors:

- Made 100% with <u>ingredients</u> certified, inspected, and approved by the USDA for human consumption
- Moderate protein to meet energy requirements
- High level of fat to address nutrient density and palatability
- Tightly controlled simple carbohydrates to avoid feeding tumor cells
- · Limited antioxidants to avoid interference with chemotherapy drugs

"A patient's ability to tolerate cancer therapy can be impacted by their nutritional status, so maintaining adequate calorie and nutrient intake is essential in the cancer patient. The moderate protein levels in Neoplasia Support help prevent muscle breakdown and support tissue repair and immune system function, and the increased levels of healthy fats contribute to caloric intake as well as palatability. JustFoodForDogs offers several excellent dietary options for my cancer patients as well as a convenient way for busy people to feed a highly palatable whole food diet."

- Dr. Sara Fiocchi, DVM, DACVIM - Oncology

TYPICAL ANALYSIS: Neoplasia Support

Nutrient	/kg As F	ed	/kg Dry M	atter	/1000 ko	als
Protein		g	443.79		82.48	a
Total lipid (fat)	120.25	g	305.21	g	56.72	•
Carbohydrates (NFE)		g	196.50	g	36.52	0
Fiber, total dietary	8.93	g	22.66	g	4.21	0
Sugars	0.76	g	1.92	-	0.36	•
Calcium, Ca	2771.42	mg	7034.18	mg	1.31	g
Iron, Fe	32.18	mg	81.68	mg	15.18	mg
Magnesium, Mg	365.44	mg	927.52	mg	0.17	g
Phosphorus, P	2391.12	mg	6068.93	mg	1.13	g
Potassium, K	2838.12	mg	7203.46	mg	1.34	g
Sodium, Na	861.19	mg	2185.80	mg	0.41	g
Zinc, Zn	50.92	mg	129.25	mg	24.02	mg
Copper, Cu	5.43	mg	13.78	mg	2.56	mg
Manganese, Mn	4.36	mg	11.07	mg	2.06	mg
Selenium, Se	286.93	µg	728.26	Âμg	0.14	mg
lodine, l	0.62	mg	1.56	mg	0.29	mg
Vitamin B1	1.33	mg	3.38	mg	0.63	mg
Vitamin B2	4.88	mg	12.39	mg	2.30	mg
Vitamin B3	51.35	mg	130.33	mg	24.22	mg
Vitamin B5	13.18	mg	33.44	mg	6.21	mg
Vitamin B6	9.34	mg	23.70	mg	4.40	mg
Folate	792.83	µg	2012.30	µg	0.37	mg
Choline	1439.77	mg	3654.29	mg	679.13	mg
Vitamin B12	46.08	µg	116.96	µg	21.74	µg
Vitamin A, IU	21658.08	IU	54970.65	IU	10215.93	IU
Vitamin E	155.91	mg	395.73	mg	110.32	IU
Vitamin D	416.95	IU	1058.27	IU	196.67	IU
Vitamin K	16.85	µg	42.77		7.95	µg
EPA - DHA		g	3.94		0.73	-
Linoleic Acid		g	24.49	-	4.55	
Tryptophan		g	3.36		0.62	•
Threonine		g	17.94	- -	3.33	•
Isoleucine		g	19.95	- -	3.71	0
Leucine		g	35.71		6.64	
Lysine		g	35.67		6.63	•
Methionine - Cystine		g	16.53	U	3.07	-
Phenylalanine - Tyrosine		g	33.19		6.17	~
Valine		g	22.59	-	4.20	
Arginine		g	29.91		5.56	
Histidine		g	13.52	-	2.51	-
Taurine	0.51	g	1.31	g	0.24	g

Neoplasia Support Vet Directed Diet 14 oz, 72 oz Fresh Frozen



DIET OVERVIEW

100% of the ingredients in our Neoplasia Support recipe are approved for human consumption. This recipe is formulated to achieve restrictions in simple carbohydrates, increased calories from protein and fat and increased omega 3 fatty acids. This highly palatable, nutrient rich diet is intended to manage cancer cachexia and is formulated to meet the following key nutritional factors for nutritional management of **Neoplastic Disease:**^{1, 2, 3, 4}

- Increased Highly Digestible, High Quality Protein Increased Highly Digestible, High Quality Fat
- Increased Omega 3 Fatty Acids
 High Caloric Density for Weight Gain or Maintenance
- · Balanced for long-term feeding under veterinary supervision

¹ Ogilvie GK, Fetlman MJ, Mallinckrodt CH, et al., Effect of fish oil, arginine, and doxorubicin chemotherapy on remission and survival time for dogs with lymphoma, Cancer, 2000; 88: 1916-1928.

² Davenport DJ, Roudebush P, The use of nutroceuticals in cancer therapy, Proceeding of the North American Veterinary Conference, 2006; 20:777-780.

³ (Barber et al 2001; Fearon et al. 2001), (Beck et al. 1991), (Gogos et al. 1998). (Simone et al. 2007). (Joffe and Schlesinger 2002) ⁴ (LeBlanc, Horohov et al. 2008: Inflammatory response)

DIET INDICATIONS

- · Management of neoplastic disease with or without concurrent chemotherapy
- Active or low appetite dogs requiring a moderate to high caloric level

CONTRAINDICATIONS

- · Sensitivity to any of the ingredients
- · Growing puppies

INGREDIENTS

- **USDA Certified Ground Beef** is considered a high quality source of protein and is also rich in iron and zinc, as well as vitamins B12 and B6.
- USDA Certified Chicken Thigh is an excellent source of protein, vitamin B-6, panthothenic acid, phosphorus, zinc, selenium and niacin, and delivers more vitamin B, iron, and antioxidants than its white meat counterparts.
- **USDA Certified Beef Liver** is a nutrient dense food. Ounce for ounce, it contains the most concentrated volume of protein and vitamin A. It's a rich source of heme-iron, the most absorbable form of iron, and is high in bioavailable copper, folate, riboflavin, niacin, phosphorus and zinc.
- Long Grain Brown Rice is loaded with B vitamins and minerals such as magnesium and zinc and is an excellent source of complex carbohydrates.
- **USDA Certified Chicken Liver** contains a concentrated volume of protein and vitamin A. It's rich in heme-iron, a highly bioavailable form of iron, and is also high in bioavailable copper, folate, riboflavin and niacin.
- Olive Oil and Flaxseed are high in essential fatty acids including linoleic and linolenic acids, which have been linked to reports of improvement in coat quality/sheen and anti-inflammatory properties. (National Research Council Ad Hoc Committee on Dog and Cat Nutrition, 2006).
- **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.
- **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 nutritional management of neoplastic disease. For use under direction of a veterinarian.

	Caloric Inform Compare to: H			Guaranteed A As Fee		Dry Matter
Kcal/kg: 2120	Kcal/oz: 60	g/	1000kcal: 472	Protein	14.5%	38.0%
Metabolizable		JFFD	2014	Fat	13.5%	36.0%
Energy % from:		Neoplasia	Hills n/d	Carb (NFE)	6.0%	16.0%
Protein		33.0%	27.0%	Fiber	1.5%	4.0%
Fat		51.0%	59.0%	Ash	2.5%	6.0%
Carbohydrates		16.0%	14.0%	Moisture	62.0%	
		Calcium-Pho	sphorus ratio:	1.2:1		-
		Omega 6: C)mega 3 ratio:	1.5:1		
Nutritional Informat	ion averages acco	rding to USDA SF	R26 database. N	Jutritional inform	ation for ite	ems not

available in USDA SR26 originates from manufacturers and independent lab analyses.

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

RECOMMENDED DAILY FEEDING GUIDE (feeding amount per day)

Wt (lbs)	Oz (wt)	Cups (est)	Wt (lbs)	Oz (wt)	Cups (est)
5 - 10	4 - 6	0.5 – .75	75 - 80	28 - 30	3.5 – 3.75
15 - 20	8 - 10	1.0 – 1.25	85 - 90	31 - 32	4.0
25 - 30	12 - 14	1.5 – 1.75	95 - 100	34 - 35	4.25 – 4.5
35 - 40	16 - 18	2.0 - 2.25	110 - 115	37 - 39	4.5 – 4.75
45 - 50	19 - 21	2.5	120 - 125	40 - 41	5.0 - 5.25
55 - 60	22 - 24	2.75 – 3.0	130 - 135	42 - 44	5.5
65 - 70	25 - 27	3.0 - 3.25	140 - 145	45 - 46	5.75



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 <u>ingredients</u> 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 Fe	ed .	/kg Dry Ma	atter	/1000 kc	als
Protein	59.81		197.24		40.68	a
Total lipid (fat)		g	189.30	g	39.04	•
Carbohydrates (NFE)		g	573.21	g	118.22	0
Fiber, total dietary		g	36.84	-	7.60	0
Calcium, Ca		mg	5824.00	mg	1.20	•
Iron, Fe		mg	42.02	mg	8.67	mg
Magnesium, Mg	243.63 r	mg	803.39	mg	0.17	g
Phosphorus, P	899.46 r	mg	2966.06	mg	0.61	g
Potassium, K	1617.44 r	mg	5333.69	mg	1.10	g
Sodium, Na	349.56 r	mg	1152.72	mg	0.24	g
Zinc, Zn	27.80 r	mg	91.68	mg	18.91	mg
Copper, Cu	2.62 r	mg	8.64	mg	1.78	mg
Manganese, Mn	4.97 r	mg	16.38	mg	3.38	mg
Selenium, Se	147.56	µg	486.59	Âμg	0.10	mg
lodine, l	0.46 r	mg	1.51	mg	0.31	mg
Vitamin C	75.23 r	mg	248.07	mg	51.16	mg
Vitamin B1	1.78 r	mg	5.86	mg	1.21	mg
Vitamin B2	2.49 r	mg	8.20	mg	1.69	mg
Vitamin B3	25.87 r	mg	85.30	mg	17.59	mg
Vitamin B5	6.16 r	mg	20.30	mg	4.19	mg
Vitamin B6	1.43 r	mg	4.71	mg	0.97	mg
Folate	234.43	µg	773.05	µg	0.16	mg
Choline		mg	2407.87			mg
Vitamin B12		µg	146.30	µg	30.17	µg
Vitamin A, IU	23311.05 I	IU	76870.71	IU	15853.96	IU
Vitamin E		mg	395.05	mg	122.21	IU
Vitamin D		IU	898.32	IU	185.27	
Vitamin K		µg	460.63		95.00	
EPA - DHA	0.24 (-	0.84	-	0.17	-
Linoleic Acid	4.32 g	~	14.23		2.94	•
Tryptophan	0.70 g	~	2.32		0.48	-
Threonine	2.59 (0	8.56		1.76	-
Isoleucine	2.79 (~	9.20		1.90	0
Leucine	4.73 (-	15.61	-	3.22	0
Lysine	4.39 (~	14.48	0	2.99	•
Methionine - Cystine	2.27	•	7.50		1.55	•
Phenylalanine - Tyrosine	4.68	~	15.45	0	3.19	•
Valine	3.36	-	11.07		2.28	•
Arginine	3.84	-	12.65	-	2.61	•
Histidine	1.74 (-	5.74	-	1.18	•
Taurine	0.48 (y	1.58	g	0.32	g

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:^{1, 2}

Restricted Protein

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

¹Hand MS, Thatcher CD, Remillard RL, Roudebush PR, Novotny BJ (2010) Small Animal Clinical Nutrition (5th ed.). Topeka, KS ²Jacob 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
- Managementof 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 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.

Compare to:	Caloric Inforr Royal Canin [®] R	Guaranteed As Fe		Dry Matter		
Kcal/kg: 1470	Kcal/oz: 40	g/	1000kcal: 680/	Protein	6.0%	20.0%
Metabolizable	JFFD	2014 RC	2014	Fat	4.0%	13.0%
Energy % from:	Renal LP	Renal LP	Hills k/d	Carb	16.5%	55.0%
Protein	16.0%	13.0%	12.0%	Fiber	1.5%	5.0%
Fat	35.0%	51.0%	46.0%	Ash	2.0%	7.0%
Carbohydrates	49.0%	36.0%	42.0%	Moisture	70.0%	
Phosphorus (mg/100	00 kcals) 610	600	590	Phosphorus		0.30%
Sodium (mg/1000 kc	als) 240	600	420	Sodium		0.12%
Potassium (g/1000 k	cals) 1.10	2.0	1.69	Potassium		0.53%
		Calcium-Pho	sphorus ratio:	2.0:1		
	3.5:1					
Nutritional Information available in USDA S						ems not

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)

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



Renal Support Moderate Protein is perfect for subclinical cases, or those renal patients who have not yet developed azotemia. It is moderately restricted in highly digestible protein. This diet addresses the following key nutritional factors:

- Made 100% with <u>ingredients</u> certified, inspected, and approved by the USDA for human consumption
- Moderate 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

"The Renal Support Diets are formulated with a novel protein source: lamb. This provides me an excellent option for the many dogs who may have chicken and beef allergy and also have renal disease."

- Dr. Julie Stegeman, DVM, DACVIM

TYPICAL ANALYSIS: Renal Support Moderate Protein

Nutrient	/kg As F	ed	/kg Dry M	atter	/1000 kcals
Protein	65.80		228.59		44.25 g
Total lipid (fat)		g	260.60	-	50.44 g
Carbohydrates (NFE)		g	465.34	-	90.08 g
Fiber, total dietary		g	32.90	-	6.37 g
Calcium, Ca	1742.69	mg	6054.38		1.17 g
Iron, Fe	12.27	mg	42.62	mg	8.25 mg
Magnesium, Mg	320.03	mg	1111.83	mg	0.22 g
Phosphorus, P	1107.40	mg	3847.27	mg	0.74 g
Potassium, K	1660.73	mg	5769.63	mg	1.12 g
Sodium, Na	354.78	mg	1232.56	mg	0.24 g
Zinc, Zn	29.30	mg	101.81	mg	19.71 mg
Copper, Cu	2.33	mg	8.09	mg	1.57 mg
Manganese, Mn	6.37	mg	22.14	mg	4.29 mg
Selenium, Se	153.30	µg	532.58	µg	0.10 mg
lodine, l	0.45	mg	1.57	mg	0.30 mg
Vitamin C	63.40	mg	220.27	mg	42.64 mg
Vitamin B1	1.87	mg	6.48	mg	1.26 mg
Vitamin B2	2.40	mg	8.34	mg	1.61 mg
Vitamin B3	29.40	mg	102.13	mg	19.77 mg
Vitamin B5	6.18	mg	21.48	mg	4.16 mg
Vitamin B6	1.62	mg	5.64	mg	1.09 mg
Folate	218.65	µg	759.64		0.15 mg
Choline	774.01	mg	2689.04		520.52 mg
Vitamin B12	41.24	µg	143.26		27.73 µg
Vitamin A, IU		IU	64879.81	IU	12558.90 IU
Vitamin E	96.85	mg	336.46	mg	97.69 IU
Vitamin D		ÎŬ	937.74		181.52 IU
Vitamin K	119.32		414.53		80.24 µg
EPA - DHA	0.18		0.63	-	0.20 g
Linoleic Acid	5.93	-	20.62	-	3.99 g
Tryptophan	0.78	-	2.70	-	0.52 g
Threonine	2.84	-	9.88		1.91 g
Isoleucine		g	10.72	-	2.08 g
Leucine		g	18.02	-	3.49 g
Lysine		g	17.58	-	3.40 g
Methionine - Cystine		g	8.46		1.64 g
Phenylalanine - Tyrosine		g	17.75	-	3.44 g
Valine	3.64		12.66	-	2.45 g
Arginine	4.10	0	14.26		2.76 g
Histidine	1.97	-	6.83	-	1.32 g
Taurine	0.60	y	2.10	y	0.41 g

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



DIET OVERVIEW

100% of the ingredients in our Renal Support Moderate 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 subclinical **Renal Disease:**^{1,2}

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

¹Hand MS, Thatcher CD, Remillard RL, Roudebush PR, Novotny BJ (2010) Small Animal Clinical Nutrition (5th ed.). Topeka, KS ²Jacob 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 subclinical renal disease and without concurrent azotemia
- 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** is 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.
- Long Grain Brown Rice is loaded with B vitamins and minerals such as magnesium and zinc and is an excellent source of complex carbohydrates.
- **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.
- **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.
- **Blueberries** are a great source of antioxidants such ellagic acid, a phytochemical known to prevent cell damage.
- **Safflower Oil** is high in essential Omega 6 fatty acids including linoleic acid, which has been linked to reports of improvement in coat quality/sheen. (National Research Council Ad Hoc Committee on Dog and Cat Nutrition, 2006).
- **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.

INGREDIENTS (Cont.)

- Icelandic Premium Fish Oil provides Omega 3 fatty acids in highly biologically available forms of EPA and DHA.
- **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 subclinical renal disease. For use under direction of a veterinarian.

Compare to:	Caloric Inform Royal Canin [®] R	Guaranteed A As Fee		Dry Matter		
Kcal/kg: 1550	Kcal/oz: 44	g	/1000kcal: 650	Protein	7.0%	23.0%
Metabolizable	JFFD	2014 RC	2014	Fat	6.5%	22.0%
Energy % from:	Renal MP	Renal MP	Hills k/d	Carb (NFE)	13.5%	45.0%
Protein	17.0%	17.0%	12.0%	Fiber	1.5%	5.0%
Fat	45.0%	58.0%	46.0%	Ash	1.5%	5.0%
Carbohydrates	37.0%	25.0%	42.0%	Moisture	70.0%	
Phosphorus (mg/100	00 kcals) 740	600	590	Phosphorus		0.38%
Sodium (mg/1000 kc	,	600	420	Sodium		0.12%
Potassium (g/1000 k	/	2.0	1.69	Potassium		0.58%
		Calcium-Pho	osphorus ratio:	1.6:1		
	4:1					
Nutritional Informatic available in USDA S						ems not

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RECOMMENDED DAILY FEEDING GUIDE (feeding amount per day)

Wt (lbs)	Oz (wt)	Cups (est)	Wt (lbs)	Oz (wt)	Cups (est)
5 - 10	5 - 8	0.5 – 1.0	75 - 80	35 - 37	4.5 – 4.75
15 - 20	10 - 13	1.25 – 1.5	85 - 90	38 - 40	4.75 – 5.0
25 - 30	16 - 18	2.0 – 2.25	95 - 100	42 - 44	5.25 – 5.5
35 - 40	20 - 22	2.5 – 2.75	110 - 115	47 - 49	6.0 - 6.25
45 - 50	24 - 26	3.0 – 3.25	120 - 125	50 - 52	6.25 – 6.50
55 - 60	28 - 30	3.5 – 3.75	130 - 135	53 - 55	6.75 - 7.0
65 - 70	32 - 34	4.0 - 4.25	140 - 145	56 - 58	7.0 – 7.25



Derm Support Fish is formulated to support the skin barrier, reduce inflammation, and address food hypersensitivity or general dermatoses by addressing the following key nutritional factors:

- Made 100% with wild caught fish and <u>ingredients</u> approved for human consumption
- Limited ingredients, novel proteins: wild caught salmon and wild caught sustainable cod, sweet potato, and tapioca
- Formulated to address gastric pathology, including IBD/IBS, or food allergy/intolerance
- Low omega 6:3 ratio to reduce inflammation and support the skin barrier
- Balanced for long term feeding under veterinary supervision

"I have been very impressed with the diets, treats and service offered by JustFoodForDogs. As a board certified veterinary dermatologist, it is exciting to have a highly palatable, whole food limited ingredient diet. The Derm Support Fish is an excellent source of fatty acids which certainly contributes to a shiny coat and possess mild anti-inflammatory properties. My own allergic beagle, Talulah, has been a dietary challenge but maintains a healthy weight, skin, coat and bowel movements on a variety of JFFD recipes. I can confidently recommend their products and service."

- Dr. Laura Wilson, DVM, DACVD

TYPICAL ANALYSIS: Derm Support Fish

Nutrient	/kg As Fed	/kg Dry Matter	/1000 kcals
Protein	87.86 g	405.86 g	88.76 g
Total lipid (fat)	28.94 g	133.71 g	29.24 g
Carbohydrates (NFE)	89.19 g	412.01 g	90.10 g
Fiber, total dietary	5.91 g	27.29 g	5.97 g
Calcium, Ca	1262.72 mg	5832.99 mg	1.28 g
Iron, Fe	7.92 mg	36.59 mg	8.04 mg
Magnesium, Mg	164.77 mg	761.14 mg	0.17 g
Phosphorus, P	1008.04 mg	4656.51 mg	1.02 g
Potassium, K	2559.51 mg	11823.33 mg	2.59 g
Sodium, Na	486.39 mg	2246.83 mg	0.49 g
Zinc, Zn	15.84 mg	73.19 mg	16.04 mg
Copper, Cu	1.58 mg	7.32 mg	1.75 mg
Manganese, Mn	1.19 mg	5.49 mg	1.31 mg
Selenium, Se	215.08 µg	993.51 µg	0.22 mg
Chlorine, Cl	304.59 mg	1407.02 mg	307.79 mg
lodine, l	0.40 mg	1.83 mg	0.24 mg
Vitamin C	47.40 mg	218.96 mg	47.88 mg
Vitamin B1	0.79 mg	3.66 mg	0.80 mg
Vitamin B2	1.59 mg	7.36 mg	1.61 mg
Vitamin B3	33.38 mg	154.20 mg	33.72 mg
Vitamin B5	8.79 mg	40.62 mg	8.88 mg
Vitamin B6	3.23 mg	14.92 mg	3.26 mg
Folate	94.83 µg	438.07 µg	0.10 mg
Choline	440.76 mg	2036.02 mg	445.25 mg
Vitamin B12	12.19 µg	56.31 µg	12.31 µg
Vitamin A, IU	35312.51 IU	163121.42 IU	35672.26 IU
Vitamin E	73.03 mg	337.34 mg	110.66 IU
Vitamin D	304.83 IU	1408.11 IU	307.93 IU
Vitamin K	8.70 Aµg	40.21 µg	8.79 µg
Biotin	0.69 mg	3.20 mg	0.70 mg
EPA - DHA	4.28 g	19.75 g	4.32 g
Linoleic Acid	2.79 g	12.90 g	2.82 g
Tryptophan	1.05 g	4.87 g	1.06 g
Threonine	4.04 g	18.64 g	4.08 g
Isoleucine	4.18 g	19.30 g	4.22 g
Leucine	7.36 g	34.02 g	7.44 g
Lysine Methioning Cysting	8.25 g	38.10 g	8.33 g
Methionine - Cystine	3.66 g	16.90 g	3.70 g
Phenylalanine - Tyrosine Valine	6.67 g 4.72 g	30.81 g 21.79 g	6.74 g 4.76 g
Arginine	Ŭ	21.79 g 24.94 g	4.76 g 5.45 g
Histidine	5.40 g 2.66 g	12.30 g	2.69 g
Taurine	0.44 g	2.05 g	0.45 g
Taurine	0. 11 y	2.05 y	0.40 g

DIET OVERVIEW

Derm Support Fish is made from 100% line caught fresh wild salmon and wild halibut. It is a novel protein. limited ingredient diet formulated to meet the key nutritional factors for the nutritional management of Atopic Dermatitis, Pruritus, Chronic Gastroenteritis, Chronic Colitis, and Inflammatory Bowel Disease in dogs:1, 2, 3

- Moderate Protein, Increased Calories from Fat
- Grain and Gluten Free
- Highly Digestible, Hypoallergenic Protein Source High Quality, Hypoallergenic Carbohydrate Sources
 - Increased Anti-inflammatory Omega 3 Fatty Acids
 - Balanced for long-term feeding under veterinary supervision

¹Hand MS, Thatcher CD, Remillard RL, Roudebush PR, Novotny BJ (2010) Small Animal Clinical Nutrition (5th ed.). Topeka, KS ²Baddaky-Taugbol B et al. (2005) A randomised, controlled, double-blinded, multicentre study on the efficacy of a diet rich in fish oil and borage oil in the control of canine atopic dermatitis. Advances of Veterinary Dermatology 5: 173-187. ³Campell KL (1993) Clinical use of fatty acid supplements in dogs. Vet Derm 4: 167-173

DIET INDICATIONS

- Food elimination trial
- Food allergy
- *Food intolerance^{4, 5}
- *Inflammatory bowel disease (IBD)^{4, 5}
- Chronic otitis externa
- Atopic Dermatitis
- *Irritable bowel syndrome (IBS)^{4, 5}
- *Gluten enteropathy

German AJ, Hall EJ, Day MJ. Chronic intestinal inflammation and intestinal disease in dogs. J Vet Intern Med. 2003;17:8-20. 5World J Gastroenterol. 2010 March 7; 16(9): 1050-1056. Published online 2010 March 7. doi: 10.3748/wjg.v16.i9.1050.

* For best results, JFFD Probiotic Live is recommended as a supplement for these conditions. For full details on Probiotic Live, please visit: http://justfoodfordogs.com/

CONTRAINDICATIONS

- · Sensitivity to any of the ingredients
- Growing puppies

INGREDIENTS

- Wild Caught Salmon is preferred to ensure that the least amount of contaminants are found in the protein source. Wild-caught salmon also contains highly digestible omega 3 fatty acids, which have been clinically proven to improve skin health. It's also high in vitamin D, selenium and B1.
- Wild Caught Sustainable Cod is nutrient dense and a good source of high quality, low fat protein. It is rich in Vitamins B6 & B12 as well as niacin, selenium, magnesium, phosphorus, and omega 3 fatty acids.
- Sweet Potatoes have significant antioxidant capabilities and are an excellent source of vitamin A and a very good source of vitamin C and manganese. They are also high in beta-carotene and a good source of copper, dietary fiber, vitamin B6, potassium and iron.
- **Tapioca** is a hypoallergenic, gluten-free, low protein carbohydrate source, which is very easily digestible.
- Olive Oil is a concentrated source of monounsaturated fats and vitamin E. It also contains phytonutrients, which have antioxidant properties.
- Sunflower Oil is a natural and medicinal oil pressed from the seeds of the sunflower and is rich in "good" essential, unsaturated fatty acids such as linoleic acid. (National Research Council Ad Hoc Committee on Dog and Cat Nutrition, 2006).
- JFFD Nutrient Blend is formulated specifically to meet NRC standards. The blend is compounded from 100% human grade nutraceuticals regulated by the FDA.

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- Nødtvedt A et al. (2006) Canine atopic dermatitis: validation of recorded diagnosis against practice records in 335 insured Swedish dogs. Acta Vet Scand 48: 8.
- Sævik BK et al. (2004) A randomized, controlled study to evaluate the steroid sparing effect of essential fatty acid supplementation in the treatment of canine atopic dermatitis. Vet Derm 15: 137-145.
- Verlinden A et al. (2006) Food allergy in dogs and cats: a review. Crit Rev Food Sc Nutr 46: 259-273.
- Zur G et al. (2002) Canine atopic dermatitis: a retrospective study of 266 cases examined at the University of California, Davis, 1992-1998. Part I. Clinical features and allergy testing results. Vet Derm 13: 89-102.

NUTRITIONAL SUITABILITY STATEMENT

This diet has been formulated for the long-term nutritional management of dermatology diseases, inflammatory bowel disease, and/or food allergy. For use under direction of a veterinarian.

Compare to: Royal	Guaranteed As Fe		Dry Matter			
Kcal/kg: 980	Kcal/oz: 28	g/10	000kcal: 1010	Protein	7.5%	37.5%
Metabolizable	JFFD	2014 RC	2014	Fat	3.0%	15.0%
Energy % from:	Derm Fish	Skin Support	Hills d/d	Carb	7.0%	35.0%
Protein	36.0%	24.0%	17.0%	Fiber	1.0%	5.0%
Fat	27.0%	36.0%	32.0%	Ash	1.5%	7.5%
Carbohydrates	37.0%	40.0%	51.0%	Moisture	80.0%	
		Calcium-Pho	sphorus ratio:	1.3:1		
	Omega 6: Omega 3 ratio:					
Nutritional Informati						ems not

available in USDA SR26 originates from manufacturers and independent lab analyses.

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RECOMMENDED DAILY FEEDING GUIDE (feeding amount per day)

Wt (Ibs)	Oz (wt)	Cups (est)	Wt (lbs)	Oz (wt)	Cups (est)
5 - 10	7 - 12	1.0 – 1.5	75 - 80	56 - 59	7.0 - 7.25
15 - 20	17 - 21	2.0 – 2.5	85 - 90	61 - 64	7.5 - 8.0
25 - 30	24 - 28	3.0 – 3.5	95 - 100	67 - 69	8.25 – 8.5
35 - 40	31 - 35	4.0 - 4.5	110 - 115	74 - 77	9.25 – 9.5
45 - 50	38 - 41	4.75 - 5.0	120 - 125	79 - 82	10 – 10.25
55 - 60	44 - 47	5.5 - 6.0	130 - 135	84 - 87	10.5 – 11.0
65 - 70	50 - 53	6.25 – 6.5	140 - 145	89 - 91	11.0 - 11.5



Joint and Skin Support is formulated to protect connective tissue, improve joint mobility, reduce joint pain and inflammation, and support the skin barrier by addressing the following key nutritional factors:

- Incorporates bioavailable neutraceuticals: Natural Hydrolyzed Collagen, Hyaluronic Acid, and Chondroitin Sulfate
- · Novel protein: USDA pork tenderloin
- Low omega 6:3 ratio to reduce inflammation and support the skin barrier
- Made 100% with ingredients approved for human consumption
- Can also be used to address gastric pathology, including IBD/IBS, or food allergy/intolerance

"As a board certified veterinary dermatologist, I find JustFoodForDogs ideal for patients with specific health needs. It's a convenient option for owners seeking a healthy, whole food alternative to kibble that don't have the time or expertise to create a consistent, nutritionally balanced diet. JFFD offers owners all the benefits of a consistent, home cooked diet without the risk of deficiency, contamination or the hours required to do the job right."

- Dr. John Angus DVM DACVD

TYPICAL ANALYSIS: Joint & Skin Support

Nutrient	/kg As Fed	/kg Dry Matter	/1000 kcals
Protein		412.30 g	
Total lipid (fat)	101.89 g 33.47 g	135.44 g	92.30 g 30.32 g
Ash		U	
Carbohydrates (NFE)	U U	J	14.11 g 87.13 g
Fiber, total dietary	Ŭ	389.23 g 70.15 g	15.70 g
Sugars, total	Ŭ	53.52 g	11.98 g
Calcium, Ca	Ŭ	•	1.43 g
Iron, Fe	Ŭ	•	
Magnesium, Mg	Ŭ	Ŭ	9.34 mg 0.30 g
Phosphorus, P	Ŭ	Ŭ	1.30 g
Potassium, K	Ŭ	Ŭ	2.35 g
Sodium, Na	Ŭ	Ŭ	0.28 g
Zinc, Zn	Ŭ	Ŭ	
	Ŭ	Ŭ	Ũ
Copper, Cu	Ŭ	Ŭ	Ŭ
Manganese, Mn			Ŭ
Selenium, Se Iodine, I	10	, .	U
Vitamin C	Ŭ	1.15 mg 253.28 mg	U
Vitamin B1	Ŭ	Ŭ	Ŭ
Vitamin B2	Ŭ	•	Ŭ
Vitamin B3	Ŭ	Ŭ	Ŭ
Vitamin B5	Ŭ	Ŭ	Ũ
Vitamin B6	Ŭ	Ŭ	Ŭ
Folate	12.63 mg 251.78 µg	51.11 mg 1018.85 µg	U
Choline	479.66 mg	1940.98 mg	0.23 mg 434.50 mg
Vitamin B12	11.26 µg	45.57 µg	10.20 µg
Vitamin A, IU	40997.43 IU	165900.93 IU	37138.26 IU
Vitamin A, RAE	2052.49 µg	8305.66 µg	1859.29 µg
Vitamin E	110.06 mg	445.36 mg	124.62 IU
Vitamin D	175.73 IU	711.09 IU	159.18 IU
Vitamin K	1117.44 µg	4521.85 µg	1012.25 µg
EPA - DHA	1.23 g	4.95 g	1.11 g
Linoleic Acid	5.51 g	22.29 g	4.99 g
Arachidonic Acid	0.19 g	0.78 g	0.17 g
Linolenic Acid	0.51 g	2.07 g	0.46 g
Tryptophan	1.10 g	4.46 g	1.00 g
Threonine	4.52 g	18.29 g	4.10 g
Isoleucine	4.88 g	19.74 g	4.42 g
Leucine	8.31 g	33.61 g	7.52 g
Lysine	8.84 g	35.76 g	8.01 g
Methionine - Cystine	3.97 g	16.06 g	3.59 g
Phenylalanine - Tyrosine	7.92 g	32.05 g	7.17 g
Valine	5.20 g	21.03 g	4.71 g
Arginine	6.92 g	28.02 g	6.27 g
Histidine	4.13 g	16.72 g	3.74 g
Taurine	0.18 g	0.74 g	0.17 g
	0.10 9	0.7.1.9	J.17 g

Joint and Skin Support Vet Directed Diet 14 oz, 72 oz Fresh Frozen



DIET OVERVIEW

Joint and Skin Support incorporates nutraceuticals that promote healthy joints and connective tissues, and improve skin dryness, in human studies: Natural hydrolyzed collagen, chondroitin sulfate, and hyaluronic acid. This recipe is a pork and quinoa based, novel protein, low residue, select ingredient diet formulated to meet the key nutritional factors for the nutritional management of **Joint Disease**, **Atopic Dermatitis**, **Pruritus**, **Chronic Gastroenteritis**, and Inflammatory Bowel Disease in dogs:

- Highly Digestible, Hypoallergenic Protein Source
- · High Protein, Low Fat
- · High Quality, Hypoallergenic Carbohydrate Sources
- Increased Anti-inflammatory ingredients, including Kale and Omega 3 Fatty Acids^{1, 2, 3}
- Formulated with Natural Hydrolyzed Collagen, Chondroitin Sulfate, Hyaluronic Acid
- · Balanced for long-term feeding under veterinary supervision

¹Baddaky-Taugbol B et al. (2005) A randomised, controlled, double-blinded, multicentre study on the efficacy of a diet rich in fish oil and borage oil in the control of canine atopic dermatitis. Advances of Veterinary Dermatology 5: 173-187.

²Campell KL (1993) Clinical use of fatty acid supplements in dogs. Vet Derm 4: 167-173.

³Wagner AE, Terschluesen AM, Rimbach G (2013) Health Promoting Effects of Brassica-Derived Phytochemicals: From Chemopreventative and Anti-Inflammatory Activities to Epigenetic Regulation. Oxid Med Cell Longev. 2013: 964539. doi: 10.1155/2013/964539.

DIET INDICATIONS

- · Aquired Osteoarthritic Joint Disease
- Food allergy

- Congenital Joint Disease
 Atopia Darmatitia, Dist El
 - Atopic Dermatitis, Diet Elimination Trial
 *Irritable bowel syndrome (IBS)^{4, 5}
- *Inflammatory bowel disease (IBD)^{4, 5}
- ⁴ German AJ, Hall EJ, Day MJ. Chronic intestinal inflammation and intestinal disease in dogs. J Vet Intern Med. 2003;17:8–20.
- ⁵ World J Gastroenterol. 2010 March 7; 16(9): 1050-1056. Published online 2010 March 7. doi: 10.3748/wjg.v16.i9.1050.
 * For best results, JFFD Probiotic Live is recommended as a supplement for these conditions. For full details on Probiotic Live, please visit: http://justfoodfordogs.com/supplements/probiotic-super.html

CONTRAINDICATIONS

· Sensitivity to any of the ingredients

· Growing puppies

INGREDIENTS

- **Pork Tenderloin** is inspected and approved by the USDA for human consumption. It is a complete and lean novel protein loaded with many essential vitamins (thiamin, niacin, B6, Riboflavin and B12) and minerals (phosphorus, potassium, selenium, zinc, calcium, iron and manganese).
- Quinoa, also known as the ancient grain, is actually more of a legume. It is a seed related to beets, chard and spinach, which contains many powerful anti-inflammatory phytonutrients. It is high in protein, fiber, magnesium, folate, phosphorus and manganese.
- Kale is high in antioxidants, including vitamin C, beta-carotene and manganese, and contains anti-inflammatory phytonutrients known to control the inflammatory process.
- **Carrots** are full of antioxidant compounds and are one of the richest sources of the pro-vitamin A carotenes. The antioxidant compounds help to prevent inflammatory disease
- Fuji Apples are palatable and high in antioxidants and fiber. Apples are also high in quercetin, an anti-inflammatory compound.
- **Coconut Oil** contains medium chain triglycerides (MCTs), which have been shown to increase the liver's efficiency at metabolizing energy from fat, helping to maintain dogs at their ideal weight.
- Hydrolyzed Collagen: Collagen is a complex structural protein mostly found in fibrous tissues such as tendons, ligaments, cartilage, bone and skin. Hydrolyzed collagen is a highly bioavailable form of collagen made up of amino acids needed to form collagen. Human research on hydrolyzed collagen has shown favorable effects on

INGREDIENTS (Cont.)

joint mobility and skin dryness.

- **Chondroitin Sulfate** is considered a promising treatment for osteoarthritis in humans and dogs. Clinical trials in humans and some animals suggest that chondroitin may have significant effects on joint mobility and pain when compared to placebo.
- **Hyaluronic Acid** is a natural structural component of skin and connective tissue of animals and humans. The key to this ingredient lies in its ability to retain moisture within the joint. It's considered to have a greater capacity to hold moisture than any other natural polymer, lubricating joints and providing comfort.
- Olive Oil is high in essential fatty acids including linoleic and linolenic acids. Olive oil has been shown to mimic the effects of anti-inflammatory drugs.
- 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.
- **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 osteoarthritis, dermatology diseases, inflammatory bowel disease, and/or food allergy. For use under direction of a veterinarian.

Caloric Information Compare to: Royal Canin [®] Mobility Support JS and Hills [®] j/d				Guaranteed As F		Dry Matter
Kcal/kg: 1104	Kcal/oz: 31	g/·	1000kcal: 906	Protein	10.0%	41.0%
Metabolizable	JFFD	2014 RC	2014	Fat	3.0%	12.0%
Energy % from:	Joint & Skin Support	Mobility Support	Hills j/d	Carb	7.0%	31.0%
Protein	37.0%	25.0%	16.0%	Fiber	2.0%	8.0%
Fat	37.0%	19.0%	39.0%	Ash	2.0%	8.0%
Carbohydrates	36.0%	46.0%	45.0%	Moisture	76.0%	
		Calcium-Pho	sphorus ratio:	1.1:1		
		Omega 6: C)mega 3 ratio:	3:1		
Nutritional Inform	nation avoragos acco	rding to LICDA CE	207 databaga	lutritional infor	motion for its	ma not

Nutritional Information averages according to USDA SR27 database. Nutritional information for items not available in USDA SR27 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)

Wt (Ibs)	Oz (wt)	Cups (est)	Wt (lbs)	Oz (wt)	Cups (est)
5 - 10	5 - 9	0.75 – 1.0	75 - 80	41 - 43	5.0 - 5.5
15 - 20	12 - 15	1.5 – 2.0	85 - 90	45 - 47	5.75
25 - 30	18 - 20	2.25 – 2.5	95 - 100	49 - 51	6.0 - 6.25
35 - 40	23 - 26	3.0 - 3.25	110 - 115	54 - 56	6.75 – 7.0
45 - 50	28 - 30	3.5 - 3.75	120 - 125	58 - 60	7.25 – 7.5
55 - 60	32 - 35	4.0 - 4.25	130 - 135	62 - 64	7.75 – 8.0
65 - 70	36 - 39	4.5 – 4.75	140 - 145	65 - 67	8.25 - 8.5



Metabolic Support Low Fat is formulated to support dogs with diabetes mellitus, metabolic disease, and obesity by addressing the following key nutritional factors:

- Made 100% with <u>ingredients</u> certified, inspected, and approved by the USDA for human consumption
- · Restricted complex carbohydrates and extremely low simple sugars
- Increased fiber to improve satiety and help maintain a more steady blood
 glucose absorption with insulin therapy
- · Restricted fat and carefully controlled protein
- Balanced for long-term feeding under veterinary supervision

"My dog, Abigail, packed on the pounds over the last few years. I tried commercial low calorie diets, but she would not eat them, so she was continually hungry. JustFoodForDogs formulated a low calorie, high volume custom diet for her. She loves the food, and the weight came off quickly. It was Jenny Craig for dogs. I highly recommend JustFoodForDogs!"

- Dr. Peter Vogel, VMD, DACVS

TYPICAL ANALYSIS: Metabolic Support Low Fat

Nutrient	/kg As Fed	/kg Dry Matter	/1000 kcals
Protein	78.26 g	270.75 g	73.86 g
Total lipid (fat)	27.76 g	96.05 g	26.20 g
Carbohydrates (NFE)	129.51 g	448.06 g	122.23 g
Fiber, total dietary	36.16 g	125.11 g	34.13 g
Sugars	0.19 g	0.67 g	0.18 g
Calcium, Ca	1324.75 mg	4583.15 mg	1.25 g
Iron, Fe	14.00 mg	48.43 mg	13.31 mg
Magnesium, Mg	396.24 mg	1370.85 mg	0.37 g
Phosphorus, P	1200.20 mg	4152.28 mg	1.13 g
Potassium, K	2970.36 mg	10276.39 mg	2.80 g
Sodium, Na	332.71 mg	1151.07 mg	0.31 g
Zinc, Zn	20.10 mg	69.54 mg	18.89 mg
Copper, Cu	3.59 mg	12.42 mg	3.24 mg
Manganese, Mn	5.02 mg	17.38 mg	4.90 mg
Selenium, Se	104.44 µg	361.34 µg	0.10 mg
lodine, l	0.36 mg	1.24 mg	0.27 mg
Vitamin C	60.72 mg	210.08 mg	57.31 mg
Vitamin B1	1.98 mg	6.85 mg	1.87 mg
Vitamin B2	1.90 mg	6.57 mg	1.79 mg
Vitamin B3	24.69 mg	85.43 mg	23.31 mg
Vitamin B5	7.36 mg	25.45 mg	6.94 mg
Vitamin B6	2.48 mg	8.58 mg	2.34 mg
Folate	244.35 µg	845.37 µg	0.23 mg
Choline	691.21 mg	2391.36 mg	652.38 mg
Vitamin B12	26.23 µg	90.73 µg	24.75 µg
Vitamin A, IU	6343.84 IU	21947.45 IU	5987.41 IU
Vitamin E	54.78 mg	189.52 mg	77.55 IU
Vitamin D	240.77 IU	832.97 IU	227.24 IU
EPA - DHA	0.29 g	0.99 g	0.27 g
Linoleic Acid	3.69 g	12.76 g	3.48 g
Tryptophan	0.82 g	2.82 g	0.77 g
Threonine	2.74 g	9.48 g	2.59 g
Isoleucine	2.79 g	9.65 g	2.63 g
Leucine	5.52 g	19.10 g	5.21 g
Lysine	5.26 g	18.19 g	4.96 g
Methionine - Cystine	2.83 g	9.79 g	2.67 g
Phenylalanine - Tyrosine	5.46 g	18.90 g	5.16 g
Valine	3.34 g	11.55 g	3.15 g
Arginine	4.58 g	15.85 g	4.32 g
Histidine Taurine	1.99 g	6.87 g	1.87 g
Taurine	0.11 g	0.39 g	0.11 g

Metabolic Support Low Fat Vet Directed Diet 14 oz, 72 oz Fresh Frozen



DIET OVERVIEW

Metabolic Support Low Fat is made using 100% fresh, whole food ingredients approved for human consumption and fortified with fiber from whole psyllium husk. It is formulated to meet the key nutritional factors for the nutritional management of **Diabetes Mellitus**, **Metabolic Disease**, and **Obesity** in dogs:^{1, 2}

- Restricted Carbohydrates; Low Simple Sugars
- Decreased Fat

- Increased Fiber
- · Carefully Controlled Protein
- · Balanced for long-term feeding under veterinary supervision

¹Hand MS, Thatcher CD, Remillard RL, Roudebush PR, Novotny BJ (2010) Small Animal Clinical Nutrition (5th ed.). Topeka, KS ²Kushner RF, Blatner DJ, Jewell DE, et al., The PPET Study: People and pets exercising together, Obesity 2006; 14 : 1762- 1770.

DIET INDICATIONS

- Diabetes Mellitus
- Weight Management
- Pancreatitis
- · Fiber Responsive Gastroenteritis
- CONTRAINDICATIONS
- · Sensitivity to any of the ingredients
- Growing puppies

INGREDIENTS

- Acorn Squash is the staple of this diet as it is high in fiber and protein, containing approximately 9 g of dietary fiber and approximately 2 g of protein per cup serving. It is also rich in other nutrients found in natural foods including vitamins E and B6, potassium and magnesium, and a significant amount of vitamin C.
- USDA Certified Turkey Breast is a high quality source of lean protein and contains selenium, niacin, iron, zinc, phosphorus, potassium and B vitamins.
- **USDA Certified Ground Beef** is considered a high quality source of protein and is also rich in iron and zinc, as well as vitamins B12 and B6.
- **USDA Graded Eggs** must meet strict U.S. quality standards and are monitored continuously for quality assurance. Eggs are a great source of protein and numerous vitamins and minerals including: vitamin A, potassium, B vitamins, folic acid, choline and biotin.
- USDA Certified Beef Liver contains the most concentrated volume of protein and vitamin A, ounce per ounce. It's a rich source iron, copper, folate, riboflavin, niacin, phosphorus and zinc.
- Whole Oats have many benefits documented in nutrition journals. Specific to metabolic disease, oats are shown to improve insulin sensitivity in a randomized, double-blind, controlled clinical trial in humans.³ Oats have also been shown to produce favorable changes in cholesterol (hyperlipidemia)⁴ and have high satiety scores,⁵ making it an excellent ingredient choice for a metabolic diet.
- Whole Psyllium Husk is a fiber source with medicinal effects. It adds fiber to the diet providing a filling effect, and also promotes steady glucose absorption. Diets with increased fiber have been clinically proven to improve blood glucose curves in conjunction with insulin therapy.

- HyperlipidemiaObesity
- Protein Losing Enteropathy
- Exocrine Pancreatic Insufficiency

Met Support LF

INGREDIENTS (Cont.)

- **Coconut Oil** contains medium chain triglycerides (MCTs), which have been shown to help increase the liver's efficiency at metabolizing energy. A recent study in women showed that those who consumed coconut oil daily for 12 weeks maintained weight and had lowered amounts of abdominal fat.⁶
- Icelandic Premium Fish Oil provides Omega 3 fatty acids in highly biologically available forms of EPA and DHA.
- **JFFD Nutrient Blend** is formulated specifically to meet NRC standards. The blend is compounded from 100% human grade nutraceuticals regulated by the FDA.

ADDITIONAL REFERENCES

³European Journal of Clinical Nutrition, June 2007; 61(6):786-95

⁴American Journal of Clinical Nutrition, August 2002; 76(2):351-8

⁵European Journal of Clinical Nutrition, September 1995; 49(9): 675-90

⁶Lipids. 2009 Jul;44(7):593-601. doi: 10.1007/s11745-009-3306-6. Epub 2009 May 13.

NUTRITIONAL SUITABILITY STATEMENT

This diet has been formulated for the long-term nutritional management of metabolic disease. For use under direction of a veterinarian.

Caloric Information Compare to: Royal Canin [®] Diabetic and Hills [®] w/d Low Fat				Guaranteed Ar As Fed	nalysis	Dry Matter
Kcal/kg: 1060	Kcal/oz: 33	g/1	000kcal: 944	Protein	7.5%	27.0%
Metabolizable	JFFD	2014 RC	2014	Fat	2.5%	9.0%
Energy % from:	Metabolic	Diabetic	Hills w/d	Carb	12.0%	43.0%
Protein	29.0%	42.0%	18.0%	Fiber	4.0%	14.0%
Fat	23.0%	43.0%	30.0%	Ash	2.0%	7.0%
Carbohydrates	48.0%	15.0%	52.0%	Moisture	72.0%	
				Simple Sugar	0.02%	0.07%
		Calcium-Phos	phorus ratio:	1.1:1		
Omega 6: Omega 3 ratio:				6:1		
Nutritional Informati	on averages accor	dina to USDA SR	26 database. N	Jutritional informa	tion for ite	ems not

Nutritional Information averages according to USDA SR26 database. Nutritional information for items r available in USDA SR26 originates from manufacturers and independent lab analyses.

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RECOMMENDED DAILY FEEDING GUIDE (feeding amount per day)

Wt (lbs)	Oz (wt)	Cups (est)	Wt (lbs)	Oz (wt)	Cups (est)
5 - 10	6 - 11	0.5 – 1.25	75 - 80	48 - 50	6.0 - 6.5
15 - 20	14 - 18	1.75 – 2.25	85 - 90	53 - 55	6.5 - 7.0
25 - 30	21 - 24	2.5 – 3.0	95 - 100	57 - 59	7.0 – 7.5
35 - 40	27 - 30	3.5 - 3.75	110 - 115	64 - 66	8.0 - 8.25
45 - 50	33 - 35	4.0 - 4.5	120 - 125	68 - 70	8.5 – 9.0
55 - 60	38 - 41	4.5 - 5.0	130 - 135	72 - 74	9.0 - 9.25
65 - 70	43 - 45	5.5 – 5.75	140 - 145	76 - 79	9.5 - 10.0



Hepatic Support Low Fat: Copper Restricted is formulated to support dogs with liver disease or kidney disease by addressing the following key nutritional factors:

- Made 100% with wild caught cod and <u>ingredients</u> approved for human consumption
- Restricted fat
- · Carefully controlled limited ingredient protein: wild caught cod
- Restricted copper to prevent copper toxicity or for dogs with copper storage disease
- · Restricted phosphorus and controlled sodium for dogs with renal disease
- Balanced for long-term feeding under veterinary supervision

"For many years I have accepted the conventional wisdom that commercial dog food was the best feeding method. Recently, in an effort to achieve a healthy weight and a better coat for one of my own dogs I decided to go outside of my comfort zone. I learned about JustFoodForDogs and decided to put Daisy on the food. I can honestly say I have never seen such a dramatic and instant response from changing a food. Within weeks I saw a substantial improvement in her skin, coat, interest in food and vitality. I am so happy to have finally found something I can feel good about feeding her." — Dr. Jennifer Pizzo, DVM

TYPICAL ANALYSIS: Hepatic Support Low Fat: Copper Restricted

Nutrient	/kg As Fe	ed	/kg Dry Ma	atter	/1000 kcals	
Protein	38.99	g	164.58	g	40.48 g	
Total lipid (fat)	10.01	g	42.28	g	10.40 g	
Carbohydrates (NFE)	176.98	g	747.11	g	183.76 g	
Fiber, total dietary	12.38	g	52.27	g	12.86 g	
Calcium, Ca	1222.99	mg	5162.70	mg	1.27 g	
Iron, Fe	11.19	mg	47.22	mg	11.61 mg	
Magnesium, Mg	144.88	mg	611.60	mg	0.15 g	
Phosphorus, P	736.98	mg	3111.06	mg	0.77 g	
Potassium, K	1607.43	mg	6785.59	mg	1.67 g	
Sodium, Na	609.00	mg	2570.82	mg	0.63 g	
Zinc, Zn	25.18	mg	106.28	mg	26.14 mg	
Copper, Cu	0.71	mg	3.01	mg	0.74 mg	
Manganese, Mn	2.61	mg	11.04	mg	2.71 mg	
Selenium, Se	86.05	µg	363.24	µg	0.09 mg	
lodine, l	0.30	mg	1.25	mg	0.31 mg	
Vitamin C	91.07	mg	384.44	mg	94.56 mg	
Vitamin B1	1.58	mg	6.67	mg	1.64 mg	
Vitamin B2	1.60	mg	6.76	mg	1.66 mg	
Vitamin B3	9.80	mg	41.35	mg	10.17 mg	
Vitamin B5	4.26	mg	17.99	mg	4.43 mg	
Vitamin B6	1.09	mg	4.61	mg	1.13 mg	
Folate	410.22	µg	1731.70	µg	0.43 mg	
Choline	486.05	mg	2051.81	mg	504.67 mg	
Vitamin B12	12.69	µg	53.56	µg	13.17 µg	
Vitamin A, IU	55856.15	IU	235790.11	IU	57996.13 IU	
Vitamin E		mg	340.27	mg	97.09 IU	
Vitamin D		IU	858.10	IU	211.06 IU	
Vitamin K		Âμg	302.12		74.31 µg	
EPA - DHA	0.59		2.50	-	0.61 g	
Linoleic Acid	2.83		11.96	0	2.94 g	
Tryptophan	0.51	-	2.15	-	0.53 g	
Threonine	1.64		6.92	-	1.70 g	
Isoleucine	1.66	-	7.00	-	1.72 g	
Leucine	2.99	0	12.61	U	3.10 g	
Lysine	2.73	-	11.51	0	2.83 g	
Methionine - Cystine	1.45	-	6.13		2.51 g	
Phenylalanine - Tyrosine	3.04	-	12.84	U	4.97 g	
Valine	2.03	-	8.56		2.11 g	
Arginine	2.55	-	10.78	U	2.65 g	
Histidine	0.84	-	3.55	-	0.87 g	
Taurine	0.14	y	0.58	y	0.14 g	

Hepatic Support Low Fat: Copper Restricted Vet Directed Diet 14 oz, 72 oz Fresh Frozen



DIET OVERVIEW

Hepatic Support Low Fat: Copper Restricted is made using 100% fresh, whole food ingredients approved for human consumption, and is formulated to meet the key nutritional factors for the nutritional management of **Liver** or **Renal Disease**, with or without concurrent **Hyperlipidemia** or **Pancreatitis**, and **Copper Storage Disease** in dogs:¹

- Restricted Protein
- Restricted Copper

Restricted Fat

Liver Failure

Pancreatitis

Hyperlipidemia

Renal Disease

- Restricted Phosphorus (Compatible with Renal Disease)
- Balanced for long-term feeding under veterinary supervision

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

DIET INDICATIONS

- Liver Disease
- Chronic Hepatitis
- Hepatic Encephalopathy
- Copper Storage Disease

CONTRAINDICATIONS

- · Sensitivity to any of the ingredients
- Growing puppies

INGREDIENTS

- Wild Caught Cod is an excellent source of protein and a good source of omega 3 fatty acids, niacin, vitamin B-12 & B-6, potassium, phosphorus and selenium.
- Sweet Potatoes contain a unique root storage protein that have significant antioxidant capabilities and are an excellent source of vitamin A and a very good source of vitamin C and manganese. Sweet potatoes are also high in beta-carotene and a good source of copper, dietary fiber, Vitamin B6, potassium and iron.
- Long Grain Enriched White Rice is an easily digestible carb source fortified with B Complex. It's also loaded with iron, calcium, magnesium, manganese, zinc, copper and selenium.
- **Broccoli** is an excellent source of the vitamins K, C and A, phosphorus, potassium, magnesium and the vitamins B6 and E, as well as folate and fiber.
- **Zucchini** is an excellent source of manganese and vitamin C, magnesium, vitamin A, dietary fiber, potassium, copper, folate and phosphorus. In addition, it is a good source of omega-3 fatty acids, vitamins B1, B2, B6, calcium, zinc, niacin and protein.
- **Sunflower Oil** is a natural and medicinal oil pressed from the seeds of the sunflower and is rich in "good" essential, unsaturated fatty acids such as linoleic acid. (National Research Council Ad Hoc Committee on Dog and Cat Nutrition, 2006).
- **Coconut Oil** contains medium chain triglycerides (MCTs), which have been shown to help increase the liver's efficiency at metabolizing energy. It is an easily metabolized superfood and an excellent source of select liver friendly fat.

INGREDIENTS (Cont.)

- Icelandic Premium Fish Oil provides Omega 3 fatty acids in highly biologically available forms of EPA and DHA.
- **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 hepatic and renal disease and/or copper storage disease. For use under direction of a veterinarian.

Compare to	Guaranteed A As Feo		Dry Matter			
Kcal/kg: 974	Kcal/oz: 28	g/10	00kcal: 1026	Protein	3.5%	16.0%
Metabolizable Energy % from:	JFFD Hepatic LF	2014 RC Hepatic	2014 Hills I/d	Fat Carb (NFE)	1.0% 14.5%	4.5% 65.5%
Protein Fat Carbohydrates	16.0% 11.0% 73.0%	15.0% 36.0% 49.0%	14.0% 47.0% 39.0%	Fiber Ash Moisture	1.5% 1.5% 78.0%	7.0% 7.0%
Phosphorus (g/1000 Copper (mg/1000 kd	0 kcals) 0.77	1.3 1.0	1.36 0.9	Phosphorus Copper (mg/k	(g)	0.31% <0.71
		Calcium-Phos	sphorus ratio:	1.7:1		
	Omega 6: Omega 3 ratio:					
Nutritional Information available in USDA S						ems not

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)

Wt (Ibs)	Oz (wt)	Cups (est)	Wt (lbs)	Oz (wt)	Cups (est)
5 - 10	7 - 12	1.0 – 1.5	75 - 80	56 - 59	7.0 – 7.5
15 - 20	17 - 21	2.0 – 2.5	85 - 90	62 - 64	7.75 – 8.0
25 - 30	25 - 28	3.0 – 3.5	95 - 100	67 - 70	8.25 – 8.75
35 - 40	32 - 35	4.0 - 4.5	110 - 115	75 - 77	9.25 – 9.5
45 - 50	38 - 41	4.75 – 5.0	120 - 125	80 - 82	10.0 – 10.25
55 - 60	45 - 48	5.5 - 6.0	130 - 135	85 - 87	10.5 – 11.0
65 - 70	50 - 53	6.25 – 6.5	140 - 145	90 - 92	11.25 – 11.5



Venison and Squash Recipe

Daily Diet 7 oz, 18 oz, 72 oz

- Ground Venison
- Butternut Squash
- Sweet Potatoes
- Brussels Sprouts
- Cranberries
- Safflower Oil
- Icelandic Premium Fish Oil
- JFFD Nutrient Blend

DIET OVERVIEW

100% of the ingredients in our Venison and Squash recipe are USDA inspected and approved for human consumption. Simple, healthy, and completely balanced, this diet has passed AAFCO feeding trial criteria for maintenance and is formulated to meet NRC standards (National Research Council Ad Hoc Committee on Dog and Cat Nutrition, 2006). All JustFoodForDogs' daily diets and ingredients are periodically batch tested for quality by Dr. John Tegzes, VMD, Dipl. ABVT, board certified veterinary toxicologist and professor at Western University.

DIET INDICATIONS

- · Dogs with a sensitive stomach or sensitive GI tract
- Skin allergic dogs with possible food allergy dermatitis (Verlinden A, 2006)
- Healthy adult dogs
- Suspected storage mite allergy (Brazis P, 2008)

CONTRAINDICATIONS

independent lab analyses.

· Sensitivity to any of the ingredients

Growing puppies

NUTRITIONAL ADEQUACY STATEMENT

JustFoodForDogs Venison and Squash recipe provides complete and balanced nutrition for maintenance and is comparable in nutritional adequacy to a JustFoodForDogs recipe which has been substantiated with animal feeding tests using AAFCO procedures.

Typical Nutritional Analysis								
Caloric Information		Guaranteed Analysis (As Fed)		DM				
Kcal/oz: 34 Metabolizable Energy % from Protein Fat Carbohydrates kcal/kg	g/1000kcal: 800 n: 44.0% 33.0% 23.0% 1200	Protein Fat Carbohydrate, by diff Fiber Ash Moisture	9.5% 3.0% 6.0% 1.5% 2.0% 78.0%	43.0% 14.0% 27.0% 7.0% 9.0%				
Calciu	m-Phosphorus ratio:	1.8:1						
Ome	ga 6: Omega 3 ratio:	5:1						
Nutritional Information averages according to the USDA SR26 database and independent lab analysis. Nutritional information for items not available in USDA database originates from manufacturers and								

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For best results it is recommended that you weigh the food in ounces using a digital scale. If you do not have a scale, you may use the general estimate that one 8oz cup is approx. 8oz in weight. Always weigh your dog every 1-2 weeks and adjust initial servings accordingly when starting any new diet.

Wt (lbs)	Oz (wt)	Cups (est)	Wt (lbs)	Oz (wt)	Cups (est)
5	6	0.75	80	49	6.00
10	10	1.25	85	52	6.50
15	14	1.75	90	54	6.75
20	17	2.00	95	56	7.00
25	21	2.50	100	58	7.25
30	24	3.00	110	63	7.75
35	27	3.25	115	65	8.00
40	29	3.75	120	67	8.25
45	32	4.00	125	69	8.75
50	35	4.25	130	71	9.00
55	37	4.75	135	73	9.25
60	40	5.00	140	75	9.50
65	42	5.25	145	77	9.75
70	45	5.50	150	79	10.00
75	47	5.75	155	81	10.25

NOTE: The above feeding chart is for adult dogs only. Puppies should be fed JFFD Chicken and White Rice or JFFD Fish and Sweet Potato

TYPICAL ANAYSIS: Venison and Squash

Nutrient	/kg As Fed	/kg Dry Matter	/1000 kcals
Protein	111.50 g	502.60 g	109.71 g
Total lipid (fat)	37.00 g	166.79 g	36.41 g
Carbohydrates (NFE)	59.27 g	267.17 g	58.31 g
Fiber, total dietary	9.07 g	40.87 g	8.92 g
Calcium, Ca	2466.67 mg	11119.46 mg	2.43 g
Iron, Fe	15.81 mg	65.09 mg	13.37 mg
Magnesium, Mg	235.45 mg	949.48 mg	0.20 g
Phosphorus, P	1386.67 mg	6250.94 mg	1.36 g
Potassium, K	3140.44 mg	12645.73 mg	2.66 g
Sodium, Na	450.58 mg	1814.74 mg	0.38 g
Zinc, Zn	23.47 mg	105.79 mg	23.09 mg
Copper, Cu	1.91 mg	7.66 mg	1.61 mg
Vitamin B1	1.13 mg	5.11 mg	1.12 mg
Tryptophan	0.91 g	3.68 g	0.77 g
Threonine	5.11 g	23.02 g	5.02 g
Isoleucine	4.92 g	22.19 g	4.84 g
Leucine	9.20 g	41.46 g	9.05 g
Lysine	6.54 g	29.48 g	6.43 g
Methionine - Cystine	3.59 g	16.20 g	3.54 g
Phenylalanine - Tyrosine	8.71 g	39.29 g	8.57 g
Valine	5.50 g	24.79 g	5.41 g
Arginine	7.89 g	35.44 g	7.74 g
Histidine	3.51 g	15.84 g	3.46 g
Taurine	0.23 g	1.05 g	0.23 g



Turkey and Whole Wheat Macaroni Recipe Daily Diet 7 oz, 18 oz, 72 oz

- USDA Certified Ground Turkey
- USDA Certified Turkey Liver
- Whole Wheat Macaroni
- · Carrots, Broccoli and Zucchini
- Cranberries
- Icelandic Premium Fish Oil
- JFFD Nutrient Blend

DIET OVERVIEW

100% of the ingredients in our Turkey and Whole Wheat recipe are USDA inspected and approved for human consumption. Simple, healthy, and completely balanced, this diet has successfully passed AAFCO feeding trials for maintenance and is formulated to meet NRC standards (National Research Council Ad Hoc Committee on Dog and Cat Nutrition, 2006). All JustFoodForDogs' daily diets and ingredients are periodically batch tested for quality by Dr. John Tegzes, VMD, Dipl. ABVT, board certified veterinary toxicologist and professor at Western University.

DIET INDICATIONS

- · Active dogs requiring moderate to high caloric levels
- Skin allergic dogs with possible food allergy dermatitis (Verlinden A, 2006)
- Healthy adult dogs
- Suspected storage mite allergy (Brazis P, 2008)

CONTRAINDICATIONS

independent lab analyses.

· Sensitivity to any of the ingredients

Growing puppies

NUTRITIONAL ADEQUACY STATEMENT

Feeding trials using AAFCO procedures substantiate that JustFoodForDogs' Turkey and Whole Wheat Macaroni Recipe provides complete and balanced nutrition for maintenance.

Typical Nutritional Analysis						
Caloric Inform	nation	Guaranteed Analysi	s (As Fed)	DM		
Kcal/oz: 40 Metabolizable Energy % fror Protein Fat Carbohydrates kcal/kg	g/1000kcal: 688 n: 38.0% 26.0% 36.0% 1454	Protein Fat Carbohydrate, by diff Fiber Ash Moisture	11.0% 4.0% 13.0% 1.0% 2.0% 69.0%	36.0% 13.0% 42.0% 3.0% 6.0%		
Calciu	m-Phosphorus ratio:	1.4:1				
Ome	Omega 6: Omega 3 ratio: 7:1					
Nutritional Information averages according to the USDA SR26 database and independent lab analysis. Nutritional information for items not available in USDA database originates from manufacturers and						

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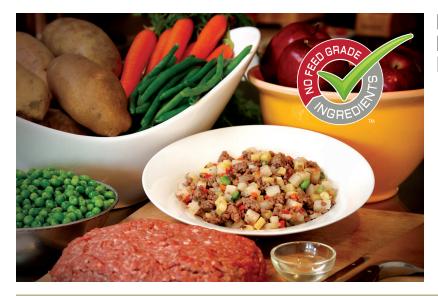
For best results it is recommended that you weigh the food in ounces using a digital scale. If you do not have a scale, you may use the general estimate that one 8oz cup is approx. 8oz in weight. Always weigh your dog every 1-2 weeks and adjust initial servings accordingly when starting any new diet.

Wt (Ibs)	Oz (wt)	Cups (est)	Wt (lbs)	Oz (wt)	Cups (est)
5	5	0.75	80	40	5.00
10	8	1.00	85	42	5.25
15	11	1.50	90	44	5.50
20	14	1.75	95	46	5.75
25	17	2.00	100	48	6.00
30	19	2.50	110	51	6.25
35	22	2.75	115	53	6.50
40	24	3.00	120	55	6.75
45	26	3.25	125	56	7.00
50	28	3.50	130	58	7.25
55	30	3.75	135	60	7.50
60	32	4.00	140	61	7.75
65	34	4.25	145	63	8.00
70	36	4.50	150	64	8.00
75	38	4.75	155	68	8.50

NOTE: The above feeding chart is for adult dogs only. Puppies should be fed JFFD Chicken and White Rice or JFFD Fish and Sweet Potato

TYPICAL ANAYSIS: Turkey and Whole Wheat Macaroni

Nutrient	/kg As Fed	/kg Dry Matter	/1000 kcals
Protein	118.27 g	367.82 g	81.36 g
Total lipid (fat)	41.80 g	130.00 g	28.75 g
Carbohydrates (NFE)	151.03 g	469.73 g	103.90 g
Fiber, total dietary	5.47 g	17.00 g	3.76 g
Calcium, Ca	2100.00 mg	6531.20 mg	1.44 g
Iron, Fe	13.80 mg	42.88 mg	9.49 mg
Magnesium, Mg	380.40 mg	1181.77 mg	0.26 g
Phosphorus, P	1480.00 mg	4602.94 mg	1.02 g
Potassium, K	1729.18 mg	5372.04 mg	1.19 g
Sodium, Na	356.62 mg	1107.91 mg	0.25 g
Zinc, Zn	25.33 mg	78.79 mg	17.43 mg
Copper, Cu	2.54 mg	7.90 mg	1.75 mg
Vitamin B1	1.20 mg	3.73 mg	0.83 mg
Tryptophan	1.16 g	3.61 g	0.80 g
Threonine	4.89 g	15.21 g	3.37 g
Isoleucine	5.20 g	16.17 g	3.58 g
Leucine	9.73 g	30.27 g	6.70 g
Lysine	7.49 g	23.31 g	5.16 g
Methionine - Cystine	4.78 g	14.88 g	3.29 g
Phenylalanine - Tyrosine	9.35 g	29.09 g	6.43 g
Valine	5.57 g	17.31 g	3.83 g
Arginine	7.10 g	22.07 g	4.88 g
Histidine	3.17 g	9.87 g	2.18 g
Taurine	0.42 g	1.29 g	0.29 g



Beef and Russet Potato Recipe Daily Diet 7 oz, 18 oz, 72 oz

- USDA Certified Ground Beef
- USDA Certified Beef Liver
- Russet Potatoes
- Sweet Potatoes
- Carrots, Green Beans, and Green Peas
- Apples
- Safflower Oil
- Icelandic Premium Fish Oil
- JFFD Nutrient Blend

DIET OVERVIEW

100% of the ingredients in our Beef and Russet Potato recipe are USDA inspected and approved for human consumption. Simple, healthy, and completely balanced, this diet has successfully passed AAFCO feeding trials for maintenance and is formulated to meet 2006 NRC standards (National Research Council Ad Hoc Committee on Dog and Cat Nutrition, 2006). All JustFoodForDogs' daily diets and ingredients are periodically batch tested for quality by Dr. John Tegzes, VMD, Dipl. ABVT, board certified veterinary toxicologist and professor at Western University.

DIET INDICATIONS

- Active dogs requiring moderate to high caloric levels
- Skin allergic dogs with possible gluten allergy (Verlinden A, 2006)
- Healthy adult dogs
- Suspected storage mite allergy (Brazis P, 2008)

CONTRAINDICATIONS

· Sensitivity to any of the ingredients

Growing puppies

NUTRITIONAL ADEQUACY STATEMENT

Feeding trials using AAFCO procedures substantiate that JustFoodForDogs' Beef and Russet Potato Recipe provides complete and balanced nutrition for maintenance.

Typical Nutritional Analysis						
Caloric Information		Guaranteed Analysi	s (As Fed)	DM		
Kcal/oz: 38 Metabolizable Energy % 1 Protein Fat Carbohydrates kcal/kg	g/1000kcal: 735 rom: 21.0% 52.0% 27.0% 1360	Protein Fat Carbohydrate, by diff Fiber Ash Moisture	8.0% 7.5% 6.5% 1.5% 1.5% 75.0%	32.0% 30.0% 26.0% 6.0% 6.0%		
Cal	cium-Phosphorus ratio:	1.2:1				
Omega 6: Omega 3 ratio: 5:1						
Nutritional Information averages according to the USDA SR26 database and independent lab analysis. Nutritional information for items not available in USDA database originates from manufacturers and						

independent lab analyses.

For best results it is recommended that you weigh the food in ounces using a digital scale. If you do not have a scale, you may use the general estimate that one 8oz cup is approx. 8oz in weight. Always weigh your dog every 1-2 weeks and adjust initial servings accordingly when starting any new diet.

Wt (Ibs)	Oz (wt)	Cups (est)	Wt (lbs)	Oz (wt)	Cups (est)
5	6	0.75	80	44	5.50
10	9	1.25	85	46	5.75
15	13	1.50	90	48	6.00
20	16	2.00	95	50	6.25
25	18	2.25	100	52	6.50
30	21	2.50	110	56	7.00
35	24	3.00	115	58	7.25
40	26	3.25	120	60	7.50
45	29	3.50	125	62	7.75
50	31	3.75	130	63	8.00
55	33	4.00	135	65	8.25
60	36	4.50	140	67	8.50
65	38	4.75	145	69	8.75
70	40	5.00	150	71	9.00
75	42	5.25	155	72	9.00

NOTE: The above feeding chart is for adult dogs only. Puppies should be fed JFFD Chicken and White Rice or JFFD Fish and Sweet Potato

TYPICAL ANAYSIS: Beef and Russet Potato

Nutrient	/kg As F	ed	/kg Dry Ma	atter	/1000 ko	cals
Protein	92.08	g	351.64	g	67.69	g
Total lipid (fat)	78.56	g	300.01	g	57.75	g
Carbohydrates (NFE)	78.64	g	300.31	g	57.81	g
Fiber, total dietary	10.92	g	41.70	g	8.03	g
Calcium, Ca	1900.00	mg	7255.79	mg	1.40	g
Iron, Fe	10.14	mg	38.32	mg	7.93	mg
Magnesium, Mg	246.44	mg	930.95	mg	0.19	g
Phosphorus, P	1533.33	mg	5855.55	mg	1.13	g
Potassium, K	2372.08	mg	8960.71	mg	1.85	g
Sodium, Na	306.83	mg	1159.09	mg	0.24	g
Zinc, Zn	19.87	mg	75.87	mg	14.60	mg
Copper, Cu	1.91	mg	7.23	mg	1.50	mg
Vitamin B1	1.23	mg	4.71	mg	0.91	mg
Tryptophan	1.56	g	5.94	g	0.38	g
Threonine	4.11	g	15.70	g	2.32	g
Isoleucine	4.04	g	15.43	g	2.57	g
Leucine	7.54	g	28.78	g	4.50	g
Lysine	5.94	g	22.69	g	4.70	g
Methionine - Cystine	2.48	g	9.46	g	1.82	g
Phenylalanine - Tyrosine		g	27.41	g	5.28	g
Valine		g	17.21	g	3.31	g
Arginine		g	24.10	g	4.64	g
Histidine		g	10.16	g	1.96	g
Taurine	0.53	g	2.02	g	0.39	g



Chicken & White Rice Recipe Daily Diet 7 oz, 18 oz, 72 oz

- USDA Certified Chicken Thighs
- USDA Certified Chicken Gizzards
- USDA Certified Chicken Liver
- Long Grain White Rice
- Spinach, Carrots, and Apples
- Icelandic Premium Fish Oil
- JFFD Nutrient Blend

DIET OVERVIEW

100% of the ingredients in our Chicken and Rice recipe are USDA inspected and approved for human consumption. Simple, healthy, and completely balanced, this diet has successfully passed AAFCO feeding trials for maintenance, and is formulated to meet 2006 NRC standards for growth (National Research Council Ad Hoc Committee on Dog and Cat Nutrition, 2006). All JustFoodForDogs' daily diets and ingredients are periodically batch tested for quality by Dr. John Tegzes, VMD, Dipl. ABVT, board certified veterinary toxicologist and professor at Western University.

DIET INDICATIONS

- · Dogs with a sensitive stomach or sensitive GI tract
- Dogs with mild or moderate activity levels
- Skin allergic dogs with possible food allergy dermatitis (Verlinden A, 2006)
- Healthy dogs
- Growing puppies
- Suspected storage mite allergy (Brazis P, 2008)

CONTRAINDICATIONS

· Sensitivity to any of the ingredients

NUTRITIONAL ADEQUACY STATEMENT

Feeding trials using AAFCO procedures substantiate that JustFoodForDogs' Chicken and Rice Recipe provides complete and balanced nutrition for maintenance.

Typical Nutritional Analysis						
Caloric Inf	ormation	Guaranteed Analysi	s (As Fed)	DM		
Kcal/oz: 36 Metabolizable Energy % Protein Fat Carbohydrates kcal/kg	g/1000kcal: 770 from: 40.0% 34.0% 26.0% 1298	Protein Fat Carbohydrate, by diff Fiber Ash Moisture	8.0% 4.0% 13.0% 1.0% 2.0% 72.0%	29.0% 14.0% 46.0% 4.0% 7.0%		
Са	lcium-Phosphorus ratio:	1.3:1		•		
Omega 6: Omega 3 ratio: 8:1						
Nutritional Information averages according to the USDA SR26 database and independent lab analysis. Nutritional information for items not available in USDA database originates from manufacturers and independent lab analyses.						

For best results it is recommended that you weigh the food in ounces using a digital scale. If you do not have a scale, you may use the general estimate that one 8oz cup is approx. 8oz in weight. Always weigh your dog every 1-2 weeks and adjust initial servings accordingly when starting any new diet.

Wt (Ibs)	Oz (wt)	Cups (est)	Wt (lbs)	Oz (wt)	Cups (est)
5	6	0.75	80	51	6.25
10	11	1.25	85	53	6.75
15	14	2.00	90	55	7.00
20	18	2.25	95	58	7.25
25	21	2.75	100	60	7.50
30	24	3.00	110	65	8.00
35	27	3.50	115	67	8.25
40	30	3.75	120	69	8.50
45	33	4.00	125	71	9.00
50	36	4.50	130	73	9.25
55	38	4.75	135	75	9.50
60	41	5.00	140	77	9.75
65	43	5.50	145	79	10.00
70	46	5.75	150	81	10.25
75	48	6.00	155	83	10.50

NOTE: The above feeding chart is for adult dogs only. Puppies eating JFFD Chicken and White Rice recipe that are over 6 months of age should be fed according to their expected adult weight. Puppies under 6 months of age should be fed as much food as they want to eat as long as they are growing. For specific puppy feeding information, visit one of our kitchens or call customer service.

TYPICAL ANAYSIS: Chicken and White Rice

Nutrient	/kg As Fed	/kg Dry Matter	/1000 kcals
Protein	85.33 g	287.63 g	65.72 g
Total lipid (fat)	49.03 g	165.26 g	37.76 g
Carbohydrates (NFE)	147.38 g	496.80 g	113.52 g
Fiber, total dietary	2.85 g	9.61 g	2.20 g
Calcium, Ca	3700 mg	12472.61 mg	2.85 g
Iron, Fe	26.71 mg	104.12 mg	23.77 mg
Magnesium, Mg	201.78 mg	786.59 mg	0.18 g
Phosphorus, P	2945.00 mg	9927.52 mg	2.27 g
Potassium, K	1514.99 mg	5905.85 mg	1.35 g
Sodium, Na	640.76 mg	2497.86 mg	0.57 g
Zinc, Zn	38.00 mg	128.10 mg	29.27 mg
Copper, Cu	3.25 mg	12.65 mg	2.89 mg
Vitamin B1	1.00 mg	3.37 mg	0.77 mg
Tryptophan	1.71 g	5.76 g	1.32 g
Threonine	4.03 g	13.60 g	3.11 g
Isoleucine	4.24 g	14.28 g	3.26 g
Leucine	7.69 g	25.91 g	5.92 g
Lysine	6.79 g	22.89 g	5.23 g
Methionine - Cystine	3.48 g	11.72 g	2.68 g
Phenylalanine - Tyrosine	7.72 g	26.03 g	5.95 g
Valine	4.54 g	15.30 g	3.50 g
Arginine	6.63 g	22.36 g	5.11 g
Histidine	2.57 g	8.67 g	1.98 g
Taurine	0.43 g	1.43 g	0.33 g



Fish and Sweet Potato Recipe

Daily Diet 7 oz, 18 oz, 72 oz

- Wild Caught Pacific Cod
- Sweet Potatoes
- Potatoes
- Green Beans
- Broccoli
- Safflower Oil
- JFFD Nutrient Blend

DIET OVERVIEW

100% of the ingredients in our Fish and Sweet Potato recipe are approved for human consumption. Simple, healthy, and completely balanced, this diet has successfully passed AAFCO feeding trials for maintenance, and is formulated to meet 2006 NRC standards for growth (National Research Council Ad Hoc Committee on Dog and Cat Nutrition, 2006). All JustFoodForDogs' daily diets and ingredients are periodically batch tested for toxins and contaminants by Dr. John Tegzes, VMD, Dipl. ABVT, board certified veterinary toxicologist and professor at Western University.

DIET INDICATIONS

- Skin allergic dogs with possible food allergy dermatitis (Verlinden A, 2006)
 Suspected storage mite allergy (Brazis P, 2008)
- Healthy dogs
- Growing puppies
- Weight Loss*

* This diet has been clinically proven for achieving weight loss to ideal body condition scores through research within the Animal and Veterinary Sciences Department at Cal Poly Pomona University.

CONTRAINDICATIONS

· Sensitivity to any of the ingredients

NUTRITIONAL ADEQUACY STATEMENT

Feeding trials using AAFCO procedures substantiate that JustFoodForDogs' Fish and Sweet Potato Recipe provides complete and balanced nutrition for maintenance

Typical Nutritional Analysis						
Caloric	Information	Guaranteed Analysis	s (As Fed)	DM		
Kcal/oz: 24 Metabolizable Energy Protein Fat Carbohydrates kcal/kg	g/1000kcal: 1167 % from: 39.0% 26.0% 35.0% 850	Protein Fat Carbohydrate, by diff Fiber Ash Moisture	7.5% 2.0% 7.5% 1.5% 2.0% 80.0%	37.5% 10.0% 37.5% 5.0% 10.0% —		
	Calcium-Phosphorus ratio:	1.3:1				
	Omega 6: Omega 3 ratio: 7:1					
Nutritional Information averages according to the USDA SR26 database and independent lab analysis. Nutritional information for items not available in USDA database originates from manufacturers and independent lab analyses.						

For best results it is recommended that you weigh the food in ounces using a digital scale. If you do not have a scale, you may use the general estimate that one 8oz cup is approx. 8oz in weight. Always weigh your dog every 1-2 weeks and adjust initial servings accordingly when starting any new diet.

Wt (Ibs)	Oz (wt)	Cups (est)	Wt (Ibs)	Oz (wt)	Cups (est)
5	7	1.00	80	56	7.00
10	12	1.50	85	58	7.25
15	16	2.00	90	61	7.50
20	20	2.50	95	63	8.00
25	23	3.00	100	66	8.25
30	27	3.25	110	71	9.00
35	30	3.75	115	73	9.25
40	33	4.00	120	76	9.50
45	36	4.50	125	78	9.75
50	39	5.00	130	80	10.00
55	42	5.25	135	83	10.25
60	45	5.50	140	85	10.50
65	48	6.00	145	87	11.00
70	50	6.25	150	89	11.25
75	53	6.75	155	92	11.50

NOTE: The above feeding chart is for adult dogs only. Puppies eating JFFD Fish and Sweet Potato recipe that are over 6 months of age should be fed according to their expected adult weight. Puppies under 6 months of age should be fed as much food as they want to eat as long as they are growing. For specific puppy feeding information, visit one of our kitchens or call customer service.

TYPICAL ANAYSIS: Fish and Sweet Potato

Nutrient	/kg As F	ed	/kg Dry Ma	atter	/1000 ko	cals
Protein	82.60	g	408.81	g	98.77	g
Total lipid (fat)	24.83	g	122.87	g	29.69	g
Carbohydrates (NFE)	77.15	g	381.84	g	92.26	g
Fiber, total dietary	5.05	g	24.99	g	6.04	g
Calcium, Ca	3300.00	mg	16332.59	mg	3.85	g
Iron, Fe	22.03	mg	93.22	mg	21.32	mg
Magnesium, Mg	202.45	mg	856.51	mg	0.20	g
Phosphorus, P	2465.00	mg	12199.95	mg	2.95	g
Potassium, K	2684.46	mg	11357.35	mg	2.60	g
Sodium, Na	1519.11	mg	6427.04	mg	1.47	g
Zinc, Zn	27.00	mg	133.63	mg	32.29	mg
Vitamin B1	1.15	mg	5.69	mg	1.38	mg
Tryptophan	0.53	g	2.60	g	0.63	g
Threonine	4.15	g	20.56	g	4.97	g
Isoleucine	4.29	g	21.21	g	5.13	g
Leucine	7.79	g	38.56	g	9.32	g
Lysine	6.21	g	30.72	g	7.42	g
Methionine - Cystine	1.90	g	9.42	g	2.28	g
Phenylalanine - Tyrosine	7.24	g	35.82	g	8.66	g
Valine		g	22.53	g	5.44	g
Arginine	5.81	g	28.77	g	6.95	g
Histidine	1.98	g	9.79	g	2.37	g
Taurine	0.24	g	1.19	g	0.29	g



Lamb and Brown Rice Recipe

Daily Diet 7 oz, 18 oz, 72 oz

- USDA Certified Lamb
- USDA Lamb Liver
- Long Grain Brown Rice
- · Spinach, Cauliflower, and Carrots
- Blueberries
- Safflower Oil
- Icelandic Premium Fish Oil
- JFFD Nutrient Blend

DIET OVERVIEW

100% of the ingredients in our Lamb and Brown Rice recipe are USDA inspected and approved for human consumption. Simple, healthy, and completely balanced, this diet has successfully passed AAFCO feeding trials for maintenance and is formulated to meet 2006 NRC standards for adult dogs (National Research Council Ad Hoc Committee on Dog and Cat Nutrition, 2006). All JustFoodForDogs' daily diets and ingredients are periodically batch tested for toxins and contaminants by Dr. John Tegzes, VMD, Dipl. ABVT, board certified veterinary toxicologist and professor at Western University.

DIET INDICATIONS

- Skin allergic dogs with possible food allergy dermatitis (Verlinden A, 2006)
- Suspected storage mite allergy (Brazis P, 2008)
- Healthy adult dogs
- Geriatric dogs (Pre-renal or Pre-liver disease)
- Active dogs

CONTRAINDICATIONS

· Sensitivity to any of the ingredients

Growing puppies

NUTRITIONAL ADEQUACY STATEMENT

Feeding trials using AAFCO procedures substantiate that JustFoodForDogs' Lamb and Brown Rice Recipe provides complete and balanced nutrition for maintenance.

Typical Nutritional Analysis						
Caloric Inf	ormation	Guaranteed Analysi	s (As Fed)	DM		
Kcal/oz: 44 Metabolizable Energy % Protein Fat Carbohydrates kcal/kg	g/1000kcal: 646 from: 34.0% 44.0% 22.0% 1548	Protein Fat Carbohydrate, by diff Fiber Ash Moisture	7.0% 7.0% 13.0% 1.5% 1.5% 70.0%	23.0% 23.0% 44.0% 5.0% 5.0%		
Calcium-Phosphorus ratio:		1.7:1				
0	mega 6: Omega 3 ratio:	4:1				
Nutritional Information averages according to the USDA SR26 database and independent lab analysis. Nutritional information for items not available in USDA database originates from manufacturers and independent lab analyses.						

For best results it is recommended that you weigh the food in ounces using a digital scale. If you do not have a scale, you may use the general estimate that one 8oz cup is approx. 8oz in weight. Always weigh your dog every 1-2 weeks and adjust initial servings accordingly when starting any new diet.

Wt (Ibs)	Oz (wt)	Cups (est)	Wt (lbs)	Oz (wt)	Cups (est)
5	5	0.50	80	36	4.50
10	8	1.00	85	38	4.75
15	10	1.25	90	39	5.00
20	13	1.50	95	41	5.25
25	15	2.00	100	43	5.50
30	17	2.25	110	46	5.75
35	19	2.50	115	47	6.00
40	21	2.75	120	49	6.00
45	23	3.00	125	51	6.25
50	25	3.25	130	52	6.50
55	27	3.50	135	54	6.75
60	29	3.75	140	55	7.00
65	31	4.00	145	56	7.00
70	33	4.00	150	58	7.25
75	34	4.25	155	59	7.50

NOTE: The above feeding chart is for adult dogs only. Puppies should be fed JFFD Chicken and White Rice or JFFD Fish and Sweet Potato

TYPICAL ANAYSIS: Lamb and Brown Rice

Nutrient	/kg As Fed	/kg Dry Matter	/1000 kcals
Protein	86.43 g	269.40 g	55.85 g
Total lipid (fat)	75.13 g	234.18 g	48.55 g
Carbohydrates (NFE)	146.13 g	455.48 g	94.42 g
Fiber, total dietary	11.03 g	34.39 g	7.13 g
Calcium, Ca	2600.00 mg	8103.90 mg	1.68 g
Iron, Fe	12.99 mg	40.74 mg	8.34 mg
Magnesium, Mg	335.29 mg	1051.59 mg	0.22 g
Phosphorus, P	1520.00 mg	4737.66 mg	0.98 g
Potassium, K	1851.09 mg	5805.75 mg	1.19 g
Sodium, Na	354.69 mg	1112.44 mg	0.23 g
Zinc, Zn	23.00 mg	71.69 mg	14.86 mg
Copper, Cu	2.44 mg	7.66 mg	1.57 mg
Vitamin B1	0.80 mg	2.49 mg	0.52 mg
Tryptophan	1.21 g	3.78 g	0.52 g
Threonine	3.55 g	11.05 g	1.91 g
Isoleucine	3.55 g	11.05 g	2.08 g
Leucine	6.91 g	21.54 g	3.49 g
Lysine	5.39 g	16.78 g	3.40 g
Methionine - Cystine	2.76 g	8.60 g	1.78 g
Phenylalanine - Tyrosine	7.00 g	21.82 g	4.52 g
Valine	4.17 g	13.01 g	2.70 g
Arginine	6.06 g	18.88 g	3.91 g
Histidine	2.29 g	7.13 g	1.48 g
Taurine	0.31 g	0.98 g	0.20 g



How does the cost of feeding JustFoodForDogs Veterinary Support Diets compare to the cost of feeding traditional prescription brands?*

Sometimes we are a little more in cost, sometimes we are a lot less in cost; we are always a lot higher in quality.

JFFD Metabolic Support Low Fat vs Royal Canin® Glycobalance canned food. JFFD costs \$2.88 **LESS** per day.

JFFD Hepatic Support Low Fat Copper Restricted vs Hill's[®] Prescription I/d canned food original. JFFD costs \$.81 more per day.

JFFD Neoplasia Support vs Hill's® Prescription Diet n/d canned food. JFFD costs \$1.08 more per day.

JFFD Balanced Remedy vs Royal Canin® Gastrointestinal Low Fat canned food. JFFD costs \$1.14 **LESS** per day.

JFFD Derm Fish vs Royal Canin[®] Hypoallergenic Potato and White Fish (PW) canned food. JFFD costs \$1.91 more per day.

JFFD Venison and Squash vs Royal Canin[®] Potato and Venison (PV) Selected Protein canned food. JFFD costs \$.37 **LESS** per day.

*All comparisons made based on a 30 lb dog. All feeding instructions based on mid point of feeding guidelines. All Hill's® feeding instructions obtained at hillspet.com and all Royal Canin® feeding instructions obtained from an authorized on line, discount Royal Canin® retainer - 4petsusa.com. Data obtained on or about September 5, 2015. Calculations based on purchasing Hill's® and Royal Canin® products from discount, on line retailers petsmart.com, 4petsusa.com, chewy.com and amazon.com by the case (when available) in order to procure the best pricing possible. Price comparisons exclude tax and shipping costs. All prices were verified accurate at the time of print and subject to change without notice.

Royal Canin is a registered trademark of Royal Canin SA. Hill's Prescription is a registered trademark of Hill's Pet Nutrition, Inc.

JustFoodForDogs.

EFFECTS OF FRESH PREPARED, WHOLE FOOD CANINE MAINTENANCE DIETS ON CLINICALLY MEASURABLE BLOOD PARAMETERS IN HEALTHY DOGS

Tegzes J., Pettey L.A., Sandelin B.A., Chavez O.E., Effects of fresh prepared , whole food canine maintenance diets on clinically measurable blood parameters in healthy dogs; Presented at the 14th Annual American Academy of Veterinary Nutrition (AAVN) Nutrition and Research Symposium, ACVIM Forum, June 4, 2014, Nashville, Tennessee.

PURPOSE: Despite a trend toward novel feeding methods, there is a lack of evidence of quantifiable differences between feeding modalities in veterinary nutrition. This study, described in approved ACUC protocol #12.002, looked at healthy dogs (n=21) fed a freshly prepared, lightly cooked, whole food (WF) diet balanced with nutrient supplementation and formulated to meet NRC 2006 RA guidelines using USDA certified ingredients and information from the USDA standard release database and suppliers.

METHODS: Dogs were aged 1 to 6 years, and included adequate representation of small, medium, and large breeds. All dogs were eating exclusively a standard commercial extruded (EX) kibble diet prior to the study. Physical exam findings, complete blood cell counts, and comprehensive chemistry panels were collected and recorded at t=0 days, t=180 days, and t= 365 days, after introducing WF. Data were analyzed using paired t-tests with each dog serving as the experimental unit (SAS, 2013).

RESULTS: Findings included a notable increase in mean circulating globulins (P<0.01 at both t=180 and t=365), a corresponding decrease in mean albumin (P<0.01 at both t=180 and t=365), with no change (P>0.57) in total protein. Mean albumin:globulin ratios shifted from 1.87 at t=0 to 1.11 at t=365 (P<0.01). There was a mean white blood cell increase at t=365 (P<0.01), including an increase in mean granulocytes at t=180 (P<0.02) and t=365 (P<0.01), within the reference range. There was no change (P>0.49) in red blood cell count, however mean hemoglobin increased at t=180 (P<0.03) and mean hematocrit increased at t=180 (P<0.01) and t=365 (P<0.01). There was also an increase in mean creatinine at t=180 and t=365 (P<0.05 and P<0.03), within the reference interval. There were no notable trends observed on alanine aminotransferase, alkaline phosphatase, blood urea nitrogen, or calcium and phosphorus levels (P>0.10). Physical exams, body condition scores, weight measurements, and client history deemed all dogs healthy during the study.

CLINICAL SIGNIFICANCE: These findings show a measurable difference in some blood parameters, including a measure of immune function (A/G ratio), when WF was fed instead of EX to healthy dogs and could provide evidence of the benefits of feeding USDA certified ingredients, supplemented with nutrients and formulated to meet 2006 NRC guidelines, as a WF feeding modality in dogs.

JustFood ForDogs

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