



## **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 ingredients 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 Fed	/kg Dry Matter	/1000 kcals
Protein	174.85 g	443.79 g	82.48 g
Total lipid (fat)	120.25 g	305.21 g	56.72 g
Carbohydrates (NFE)	77.42 g	196.50 g	36.52 g
Fiber, total dietary	8.93 g	22.66 g	4.21 g
Sugars	0.76 g	1.92 g	0.36 g
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 $\mu\text{g}$	728.26 $\mu\text{g}$	0.14 mg
Iodine, I	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 $\mu\text{g}$	2012.30 $\mu\text{g}$	0.37 mg
Choline	1439.77 mg	3654.29 mg	679.13 mg
Vitamin B12	46.08 $\mu\text{g}$	116.96 $\mu\text{g}$	21.74 $\mu\text{g}$
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 $\mu\text{g}$	42.77 $\mu\text{g}$	7.95 $\mu\text{g}$
EPA - DHA	1.55 g	3.94 g	0.73 g
Linoleic Acid	9.65 g	24.49 g	4.55 g
Tryptophan	1.32 g	3.36 g	0.62 g
Threonine	7.07 g	17.94 g	3.33 g
Isoleucine	7.86 g	19.95 g	3.71 g
Leucine	14.07 g	35.71 g	6.64 g
Lysine	14.06 g	35.67 g	6.63 g
Methionine - Cystine	6.51 g	16.53 g	3.07 g
Phenylalanine - Tyrosine	13.08 g	33.19 g	6.17 g
Valine	8.90 g	22.59 g	4.20 g
Arginine	11.79 g	29.91 g	5.56 g
Histidine	5.33 g	13.52 g	2.51 g
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**:<sup>1, 2, 3, 4</sup>

- 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

<sup>1</sup> Ogilvie GK, Fellman 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.

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

<sup>3</sup> (Barber et al 2001; Fearon et al. 2001), (Beck et al. 1991), (Gogos et al. 1998), (Simone et al. 2007), (Joffe and Schlesinger 2002)

<sup>4</sup> (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 Information Compare to: Hills® n/d			Guaranteed Analysis As Fed		Dry Matter
Kcal/kg: 2120	Kcal/oz: 60	g/1000kcal: 472	Protein	14.5%	38.0%
Metabolizable Energy % from:	JFFD Neoplasia	2014 Hills n/d	Fat	13.5%	36.0%
Protein	33.0%	27.0%	Carb (NFE)	6.0%	16.0%
Fat	51.0%	59.0%	Fiber	1.5%	4.0%
Carbohydrates	16.0%	14.0%	Ash	2.5%	6.0%
Calcium-Phosphorus ratio:			1.2:1		
Omega 6: Omega 3 ratio:			1.5:1		
Nutritional Information averages according to USDA SR26 database. Nutritional information for items not available in USDA SR26 originates from manufacturers and independent lab analyses.					

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

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

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