

Table 36-5. Levels of key nutrients in selected commercial foods for dogs with cardiovascular disease compared to the recommended level.s*

Dry foods for Class Ia patients**							
	Energy density (kcal/cup)***	Na (%)	Taurine (%)	Carnitine (%)	P (%)	K (%)	Mg (%)
Recommended levels	-	0.15-0.25	≥0.1	≥0.02	0.2-0.7	≥0.4	≥0.06
Hill's Prescription Diet g/d Canine Early Cardiac-Healthy Aging	358	0.20	0.14	na	0.43	0.71	0.077
Hill's Prescription Diet j/d Canine Mobility	356	0.17	0.13	0.035	0.54	0.79	0.145
Hill's Prescription Diet k/d Canine Renal Health	396	0.23	0.12	na	0.25	0.67	0.104
Hill's Science Diet Mature Adult Active Longevity Original	363	0.17	0.13	0.035	0.60	0.76	0.111
Hill's Science Diet Mature Adult Large Breed	357	0.17	0.13	0.032	0.62	0.79	0.111
Hill's Science Diet Mature Adult Small Bites	363	0.17	0.13	0.035	0.60	0.76	0.111
Medi-Cal Cardiac	306	0.22	0.26	0.087	0.78	0.87	na
Purina Veterinary Diets NF KidNey Function	459	0.22	na	na	0.29	0.86	0.070
Royal Canin Veterinary Diet Early Cardiac EC 22	287	0.22	0.26	na	0.78	0.87	0.043
Moist foods for Class Ia patients*							
	Energy density (kcal/cup)***	Na (%)	Taurine (%)	Carnitine (%)	P (%)	K (%)	Mg (%)
Recommended levels	-	0.15-0.25	≥0.1	≥0.02	0.2-0.7	≥0.4	≥0.06
Hill's Prescription Diet g/d Canine Early Cardiac-Healthy Aging	377 / 13 oz.	0.22	0.11	na	0.41	0.78	0.067
Hill's Prescription Diet j/d Canine Mobility	498 / 13 oz.	0.19	0.12	0.032	0.56	0.81	0.112
Hill's Prescription Diet k/d Canine Renal Health	458 / 13 oz.	0.19	0.11	na	0.22	0.37	0.141
Hill's Science Diet Mature Adult Active Longevity Gourmet Beef Entrée	164 / 5.8 oz. 368 / 13 oz.	0.16	0.12	0.015	0.52	0.76	0.104
Hill's Science Diet Mature Adult Active Longevity Savory Chicken Entrée	155 / 5.8 oz. 347 / 13 oz.	0.16	0.12	na	0.57	0.70	0.111
Hill's Science Diet Mature Adult Active Longevity Gourmet Turkey Entrée	369 / 13 oz.	0.17	0.12	na	0.62	0.83	0.107
Iams Veterinary Formula Stress/Weight Gain Formula Maximum-Calorie	333 / 6 oz.	0.24	0.33	na	0.83	1.01	0.089
Medi-Cal Renal MP	611 / 13.6 oz.	0.49	na	na	0.37	1.40	na
Purina Veterinary Diet NF KidNey Function Formula	447 / 12.5 oz.	0.20	na	na	0.28	1.01	0.090
Dry foods for Class Ib, II and III patients							
	Energy density (kcal/cup)***	Na (%)	Taurine (%)	Carnitine (%)	P (%)	K (%)	Mg (%)
Recommended levels	-	0.08-0.15	≥0.1	≥0.02	0.2-0.7	≥0.4	≥0.06
Hill's Prescription Diet h/d Canine Cardiac Health	407	0.08	0.14	0.0309	0.53	0.80	0.122
Medi-Cal Renal LP	325	0.21	na	na	0.34	0.97	na
Medi-Cal Renal MP	320	0.27	na	na	0.44	0.97	na
Moist foods for Class Ib, II and III patients							
	Energy density (kcal/cup)***	Na (%)	Taurine (%)	Carnitine (%)	P (%)	K (%)	Mg (%)
Recommended levels	-	0.08-0.15	≥0.1	≥0.02	0.2-0.7	≥0.4	≥0.06
Hill's Prescription Diet h/d Canine Cardiac Health	480 / 13 oz.	0.11	0.21	0.0332	0.57	0.81	0.131
Medi-Cal Renal LP	660 / 13.6 oz.	0.34	na	na	0.34	1.20	na
Purina Veterinary Diet CV Cardiovascular Formula	636 / 12.5 oz.	0.12	0.24	na	0.40	1.21	0.060

Key: Na = sodium, P = phosphorus, K = potassium, Mg = magnesium, na = information not available from the manufacturer, g = grams.

*Values are on a dry matter basis unless otherwise stated.

**Also recommended for Class Ib, II and III patients when ACE inhibitors are used, especially when used in combination with diuretics.

***As fed energy values (kcal/cup or can) are useful for determining the amount to feed these values can be converted to an amount of food to feed by dividing the energy density of the food (as fed basis) by the patient's daily energy requirement (DER) cup = 8-oz. measuring cup to convert kcal to kJ, multiply kcal by 4.184. Providing the right amount of food is vital for managing patients with cardiovascular disease. Overweight patients should be fed foods with reduced energy as part of a weight-reduction program (Chapter 27). Patients suffering from cardiac cachexia may need more energy than otherwise normal pets. Body condition scoring should be used frequently to determine the patient's response to the amount of food fed.

*See discussion under "Adjunctive Management: Drugs and Supplements" in the "Feeding Plan" section if additional supplementation is required beyond that present in foods in this table.