

Supplementary Tables

Supplementary Table 1. Nutritional composition of the rich diet and the minimal diet.

Full nutritional information is available on the websites of LabDiet and TestDiet.

Rich-diet (LabDiet 5K67)		Minimal-diet (TestDiet AIN-76A)	
Protein, %	19.3	Protein, %	18.0
Arginine, %	1.10	Arginine, %	0.70
Histidine, %	0.46	Histidine, %	0.52
Isoleucine, %	0.78	Isoleucine, %	0.96
Leucine, %	1.52	Leucine, %	1.73
Lysine, %	0.98	Lysine, %	1.45
Methionine, %	0.62	Methionine, %	0.82
Cystine, %	0.36	Cystine, %	0.07
Phenylalanine, %	0.87	Phenylalanine, %	0.96
Tyrosine, %	0.58	Tyrosine, %	1.01
Threonine, %	0.70	Threonine, %	0.77
Tryptophan, %	0.23	Tryptophan, %	0.22
Valine, %	0.91	Valine, %	1.14
Alanine, %	1.17	Alanine, %	0.55
Aspartic Acid, %	1.90	Aspartic Acid, %	1.29
Glutamic Acid, %	4.41	Glutamic Acid, %	4.08
Glycine, %	0.96	Glycine, %	0.39
Proline, %	1.43	Proline, %	2.36
Serine, %	0.96	Serine, %	1.10
Taurine, %	0.05	Taurine, %	0.00
Fat, %	7.3	Fat, %	5.0
Cholesterol, ppm	243	Cholesterol, ppm	0.00
Linoleic Acid, %	2.65	Linoleic Acid, %	2.86
Linolenic Acid, %	0.38	Linolenic Acid, %	0.05
Arachidonic Acid, %	0.02	Arachidonic Acid, %	0.00
Omega-3 Fatty Acids, %	0.60	Omega-3 Fatty Acids, %	0.05
Saturated Fatty Acids, %	1.14	Saturated Fatty Acids, %	0.64
Monounsaturated Fatty Acids, %	1.32	Monounsaturated Fatty Acids, %	1.21
Polyunsaturated Fatty Acids, %	N/A	Polyunsaturated Fatty Acids, %	2.90
Fiber (Crude), %	4.4	Fiber (Powdered Cellulose), %	5.0
Carbohydrates, %	53.5	Carbohydrates, %	66.4
Minerals		Minerals	
Calcium, %	1.33	Calcium, %	0.53
Phosphorus, %	0.96	Phosphorus, %	0.56
Potassium, %	0.69	Potassium, %	0.36
Magnesium, %	0.23	Magnesium, %	0.05
Sodium, %	0.29	Sodium, %	0.12

Chloride, %	0.46	Chloride, %	0.21
Fluorine, ppm	35	Fluorine, ppm	0.00
Iron, ppm	380	Iron, ppm	38
Zinc, ppm	87	Zinc, ppm	36
Manganese, ppm	160	Manganese, ppm	59
Copper, ppm	11	Copper, ppm	6.0
Cobalt, ppm	0.82	Cobalt, ppm	0.00
Iodine, ppm	2.1	Iodine, ppm	0.21
Chromium, ppm	0.01	Chromium, ppm	2.0
Molybdenum, ppm	0.00	Molybdenum, ppm	0.00
Selenium, ppm	0.39	Selenium, ppm	0.17
Vitamins		Vitamins	
Carotene, ppm	1.5	Carotene, ppm	0.0
Vitamin A, IU/g	20	Vitamin A, IU/g	4.0
Vitamin D-3 (added), IU/g	4.4	Vitamin D-3 (added), IU/g	1.0
Vitamin E, IU/kg	45	Vitamin E, IU/kg	50.0
Vitamin K, ppm	20	Vitamin K, ppm	0.5
Thiamin Hydrochloride, ppm	79	Thiamin Hydrochloride, ppm	6.1
Riboflavin, ppm	9.0	Riboflavin, ppm	6.7
Niacin, ppm	87	Niacin, ppm	30
Pantothenic Acid, ppm	37	Pantothenic Acid, ppm	16
Folic Acid, ppm	1.9	Folic Acid, ppm	2.1
Pyridoxine, ppm	10	Pyridoxine, ppm	5.8
Biotin, ppm	0.3	Biotin, ppm	0.2
Vitamin B-12, mcg/kg	51	Vitamin B-12, mcg/kg	14
Choline Chloride, ppm	2000	Choline Chloride, ppm	1000
Ascorbic Acid, ppm	0.00	Ascorbic Acid, ppm	0.00
Energy (kcal/g)	4.15	Energy (kcal/g)	3.83
Protein, %	22.4	Protein, %	18.8
Fat, %	15.6	Fat, %	11.8
Carbohydrates, %	62.0	Carbohydrates, %	69.4