Laboratory Canine Diet 5006*

DESCRIPTION

Laboratory Canine Diet is a Constant Nutrition™ formula supplying complete canine life-cycle nutrition for reproduction, lactation, growth and maintenance. This palatable high-protein, high-energy diet, made with a constant formula, is recommended for minimizing nutritional variables in long-term studies. Refer to the Shelf Life section at the end of this book for product longevity information and storage suggestions.

Features and Benefits

- Constant Nutrition™ formulation, minimizes nutritional variables in long-term studies
- Highly digestible diet helps increase efficiency and economy
- Designed for low fecal volume and firmer stools
- Provides high plane of nutrition that helps animals withstand stress

Product Forms Available

- Chunk, 16 mm(5/8") x 8 mm(5/16")
- Meal (ground chunks)

GUARANTEED ANALYSIS

Crude protein not less than	25.0%
Crude fat not less than	9.0%
Crude fiber not more than	4.0%
Moisture not more than	12.0%
Ash not more than	10.0%
Added minerals not more than	2.0%

INGREDIENTS

Ground corn, porcine meat meal, dehulled soybean meal, corn gluten meal, porcine animal fat preserved with BHA, wheat middlings, ground wheat, dried beet pulp, blood meal, dried whey, calcium carbonate, brewers dried yeast, fish meal, wheat germ, salt, choline chloride, dicalcium phosphate, monocalcium phosphate, pyridoxine hydrochloride, vitamin A acetate, cholecalciferol, menadione dimethylpyrimidinol bisulfite (source of vitamin K), folic acid, calcium pantothenate, dl-alpha tocopheryl acetate, thiamin mononitrate, nicotinic acid, manganous oxide, ferrous sulfate, cyanocobalamin, cobalt carbonate, riboflavin, copper sulfate, biotin, zinc oxide, calcium iodate, sodium selenite.

FEEDING DIRECTIONS

Due to the variation in dog breeds used for research purposes, the feeding directions given are for the Beagle. For dogs the size of Beagles, the feed consumption is normally 20-30 grams of air-dry Laboratory Canine Diet per kilogram of body weight. Smaller breeds consume slightly more in proportion to body weight, while larger breeds consume slightly less. Laboratory Canine Diet can be fed moistened with water, milk or broth, if desired. If fed dry, it can be offered free choice in self feeders. For growing pups, feed free-choice. Most pups will start to eat solid food at three to four weeks of age. Sometimes pups eat better if the feed is moistened.

CHEMICAL COMPOSITION[1]

Nutrients[2]

Protein, %	**25.5**
Arginine, %	1.46
Cystine, %	0.37
Glycine, %	1.85
Histidine, %	0.55
Isoleucine, %	1.02
Leucine, %	2.10
Lysine, %	1.10
Methionine, %	0.44
Phenylalanine, %	1.09
Tyrosine, %	0.74
Threonine, %	0.90
Tryptophan, %	0.25
Valine, %	1.15
Serine, %	1.20
Aspartic Acid, %	2.55
Glutamic Acid, %	4.94
Alanine, %	1.68
Proline, %	2.07
Taurine, %	<0.01
Fat (ether extract), %	**8.5**
Fat (acid hydrolysis), %	**9.5**
Cholesterol, ppm	167
Linoleic Acid, %	1.32
Linolenic Acid, %	0.08
Arachidonic Acid, %	0.01
Omega-3 Fatty Acids, %	0.09
Total Saturated Fatty Acids, %	3.66
Total Monounsaturated Fatty Acids, %	3.40
Fiber (Crude), %	**2.8**
Neutral Detergent Fiber[3], %	11.1
Acid Detergent Fiber[4], %	4.1
Nitrogen-Free Extract (by difference), %	**45.0**
Starch, %	33.5
Glucose, %	0.23
Fructose, %	0.23
Sucrose, %	1.08
Lactose, %	0.46
Total Digestible Nutrients, %	**83.1**
Gross Energy, kcal/gm	**4.33**
Physiological Fuel Value[5], kcal/gm	**3.68**
Metabolizable Energy, kcal/gm	**3.54**

Minerals

Ash, %	**7.2**
Calcium, %	1.60
Phosphorus, %	1.00
Phosphorus (non-phytate), %	0.77
Potassium, %	0.71
Magnesium, %	0.17
Sulfur, %	0.24
Sodium, %	0.42
Chlorine, %	0.43
Fluorine, ppm	48
Iron, ppm	380
Zinc, ppm	140
Manganese, ppm	55
Copper, ppm	14
Cobalt, ppm	0.50
Iodine, ppm	1.7
Chromium, ppm	2.3
Selenium, ppm	0.36

Vitamins

Carotene, ppm	2.0
Vitamin K (as menadione), ppm	0.28
Thiamin Hydrochloride, ppm	10
Riboflavin, ppm	4.5
Niacin, ppm	78
Pantothenic Acid, ppm	20
Choline Chloride, ppm	2000
Folic Acid, ppm	2.8
Pyridoxine, ppm	13
Biotin, ppm	0.18
B_{12}, mcg/kg	27
Vitamin A, IU/gm	40
Vitamin D_3 (added), IU/gm	4.4
Vitamin E, IU/kg	44
Ascorbic Acid, mg/gm	—

Calories provided by:

Protein, %	27.755
Fat (ether extract), %	23.265
Carbohydrates, %	48.980

*Product Code

1. Based on the latest ingredient analysis information. Since nutrient composition of natural ingredients varies, analysis will differ accordingly.
2. Nutrients expressed as percent of ration except where otherwise indicated. Moisture content is assumed to be 10.0% for the purpose of calculations.
3. NDF = approximately cellulose, hemi-cellulose and lignin.
4. ADF = approximately cellulose and lignin.
5. Physiological Fuel Value (kcal/gm) = Sum of decimal fractions of protein, fat and carbohydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.