DIO Rodent Purified Diet w/60% Energy From Fat - Blue 58Y1

DESCRIPTION

Diet Induced Obesity Rodent Purified Diet with 60% Energy From Fat - Dyed Blue is based on AIN-76A Semi-Purified Diet, Rat or Mouse 5800-B. See Van Heek et al., J. Clin. Invest. 99:385-390, 1997, for initial use of this formula. Originally manufactured as "D12492".

Storage conditions are particularly critical to TestDiet® products, due to the absence of antioxidants or preservative agents. To provide maximum protection against possible changes during storage, store in a dry, cool location. Storage under refrigeration (2° C) is recommended. Maximum shelf life is six months. (If long term studies are involved, storing the diet at -20° C or colder may prolong shelf life.) Be certain to keep in air tight containers.

*Product Forms Available**	*Catalog #*
1/2" Pellet	58126
1/2" Pellet, Irradiated	56833
Meal	1810473

**Other Forms Available By Request*

INGREDIENTS

Lard	31.6600
Casein - Vitamin Free	25.8450
Maltodextrin	16.1530
Sucrose	8.8470
Powdered Cellulose	6.4610
Soybean Oil	3.2310
Potassium Citrate, Tribasic Monohydrate	2.1320
Calcium Phosphate	1.6800
AIN-76A Vitamin Mix	1.2920
DIO Mineral Mix	1.2920
Calcium Carbonate	0.7110
L-Cystine	0.3880
Choline Bitartrate	0.2580
Blue Dye #1	0.0500

Part of the TestDiet® "Blue-Pink-Yellow" DIO Series ("van Heek" Series)

DIO Rodent Purified Diet w/10% Energy From Fat - Yellow
- 1/2" Pellet - Catalog # 58124 (58Y2)
- Meal - Catalog # 56834 (58Y2)

DIO Rodent Purified Diet w/45% Energy From Fat - Red
- 1/2" Pellet - Catalog # 58125 (58V8)
- 1/2" Pellet, Irradiated - Catalog # 55629 (58V8)
- Meal - Catalog # 1810729 (58V8)
- Meal, Irradiated - Catalog # 1810730 (58V8)

FEEDING DIRECTIONS

Feed ad libitum. Plenty of fresh, clean water should be available at all times.

CAUTION:
Perishable - store properly upon receipt.
For laboratory animal use only, not for human consumption.

NUTRITIONAL PROFILE [1]

Protein, %	***23.1***
Arginine, %	0.90
Histidine, %	0.67
Isoleucine, %	1.24
Leucine, %	2.24
Lysine, %	1.88
Methionine, %	0.67
Cystine, %	0.48
Phenylalanine, %	1.24
Tyrosine, %	1.31
Threonine, %	1.00
Tryptophan, %	0.29
Valine, %	1.47
Alanine, %	0.71
Aspartic Acid, %	1.66
Glutamic Acid, %	5.28
Glycine, %	0.50
Proline, %	3.04
Serine, %	1.43
Taurine, %	0.00
Fat, %	***34.9***
Cholesterol, ppm	301
Linoleic Acid, %	4.70
Linolenic Acid, %	0.39
Arachidonic Acid, %	0.06
Omega-3 Fatty Acids, %	0.39
Total Saturated Fatty Acids, %	13.68
Total Monounsaturated Fatty Acids, %	14.00
Fiber (max), %	***6.5***
Carbohydrates, %	***25.9***
Energy (kcal/g) [2]	***5.10***

From:	kcal	%
Protein	0.924	18.1
Fat (ether extract)	3.140	61.6
Carbohydrates	1.035	20.3

Minerals

Calcium, %	0.79
Phosphorus, %	0.59
Phosphorus (available), %	0.59
Potassium, %	0.77
Magnesium, %	0.07
Sodium, %	0.15
Chlorine, %	0.25
Fluorine, ppm	1.2
Iron, ppm	64
Zinc, ppm	46
Manganese, ppm	76
Copper, ppm	7.8
Cobalt, ppm	0.0
Iodine, ppm	0.27
Chromium, ppm	2.6
Molybdenum, ppm	2.11
Selenium, ppm	0.29

Vitamins

Vitamin A, IU/g	5.2
Vitamin D-3 (added), IU/g	1.3
Vitamin E, IU/kg	67.2
Vitamin K (as menadione), ppm	0.65
Thiamin Hydrochloride, ppm	7.8
Riboflavin, ppm	8.7
Niacin, ppm	39
Pantothenic Acid, ppm	21
Folic Acid, ppm	2.8
Pyridoxine, ppm	7.5
Biotin, ppm	0.3
Vitamin B-12, mcg/kg	18
Choline Chloride, ppm	1,290
Ascorbic Acid, ppm	0.0

1. Formulation based on calculated values from the latest ingredient analysis information. Since nutrient composition of natural ingredients varies and some nutrient loss will occur due to manufacturing processes, analysis will differ accordingly. Nutrients expressed as percent of ration on an As Fed basis except where otherwise indicated.
2. Energy (kcal/gm) - Sum of decimal fractions of protein, fat and carbohydrate x 4,9,4 kcal/gm respectively.