DIO Rodent Purified Diet w/45% Energy From Fat - Red 58V8

DESCRIPTION

Diet Induced Obesity (DIO) Rodent Diet with 45% Energy From Fat, Dyed Red is a Purified Diet 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.

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 #*
Meal	1810729
Meal, Irradiated	1810730
1/2" Pellet, Irradiated	55629
1/2" Pellet	58125

**Other Forms Available By Request*

INGREDIENTS

Casein - Vitamin Free	23.3060
Lard	20.6840
Sucrose	20.1360
Maltodextrin	11.6530
Dextrin	8.4830
Powdered Cellulose	5.8270
Soybean Oil	2.9130
Potassium Citrate, Tribasic Monohydrate	1.9230
Dicalcium Phosphate	1.5150
DIO Mineral Mix	1.1650
AIN-76A Vitamin Mix	1.1650
Calcium Carbonate	0.6410
L-Cystine	0.3500
Choline Bitartrate	0.2330
Red Dye	0.0060

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

DIO Rodent Purified Diet w/10% Energy From Fat - Blue
- 1/2" Pellet - Catalog # 58126 (58Y1)
- 1/2" Pellet, Irradiated - Catalog # 56833 (58Y1)
- Meal - Catalog # 1810473 (58Y1)

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

FEEDING DIRECTIONS

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

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

NUTRITIONAL PROFILE [1]

Protein, %	***21.3***
Arginine, %	0.81
Histidine, %	0.60
Isoleucine, %	1.12
Leucine, %	2.02
Lysine, %	1.69
Methionine, %	0.60
Cystine, %	0.44
Phenylalanine, %	1.12
Tyrosine, %	1.18
Threonine, %	0.90
Tryptophan, %	0.26
Valine, %	1.33
Alanine, %	0.64
Aspartic Acid, %	1.50
Glutamic Acid, %	4.76
Glycine, %	0.45
Proline, %	2.75
Serine, %	1.29
Taurine, %	0.00
Fat, %	***23.6***
Cholesterol, ppm	196
Linoleic Acid, %	3.48
Linolenic Acid, %	0.32
Arachidonic Acid, %	0.04
Omega-3 Fatty Acids, %	0.32
Total Saturated Fatty Acids, %	9.05
Total Monounsaturated Fatty Acids, %	9.32
Fiber (max), %	***5.8***
Carbohydrates, %	***41.2***
Energy (kcal/g) [2]	***4.65***

From:	kcal	%
Protein	0.850	18.3
Fat (ether extract)	2.124	45.7
Carbohydrates	1.649	35.5

Minerals	
Calcium, %	0.70
Phosphorus, %	0.53
Phosphorus (available), %	0.53
Potassium, %	0.70
Magnesium, %	0.06
Sodium, %	0.12
Chlorine, %	0.18
Fluorine, ppm	1.1
Iron, ppm	54
Zinc, ppm	41
Manganese, ppm	68
Copper, ppm	7.0
Cobalt, ppm	0.0
Iodine, ppm	0.24
Chromium, ppm	2.3
Molybdenum, ppm	1.90
Selenium, ppm	0.19

Vitamins	
Vitamin A, IU/g	4.7
Vitamin D-3 (added), IU/g	1.2
Vitamin E, IU/kg	60.6
Vitamin K (as menadione), ppm	0.58
Thiamin Hydrochloride, ppm	7.0
Riboflavin, ppm	7.0
Niacin, ppm	35
Pantothenic Acid, ppm	17
Folic Acid, ppm	2.3
Pyridoxine, ppm	6.7
Biotin, ppm	0.2
Vitamin B-12, mcg/kg	12
Choline Chloride, ppm	1,165
Ascorbic Acid, ppm	0.0

1. Based on the latest ingredient analysis information. Since nutrient composition of natural ingredients varies, 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.