Mouse Diet 5015*

DESCRIPTION

Mouse Diet is a complete life-cycle diet specifically designed to support reproduction, growth and maintenance of mice. This diet is formulated using the unique and innovative concept of Constant Nutrition®, paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies. It contains 11% fat to fulfill the metabolic needs of certain mouse strains. Mouse Diet is beneficial in maintaining maximum reproduction for postpartum matings where females are under simultaneous stress of lactation and gestation.

Features and Benefits

- Constant Nutrition® formula helps minimize nutritional variables
- A high-energy diet formulated specifically for all mouse colonies
- Helps maintain maximum reproduction for postpartum matings
- Recommended for mice with low feed intake to improve performance

Product Forms Available

- Oval pellet, 10 mm x 16 mm x 25 mm length (3/8"x5/8"x1")
- Meal (ground pellets), special order

GUARANTEED ANALYSIS

Crude protein not less than	17.0%
Crude fat not less than	11.0%
Crude fiber not more than	3.0%
Ash not more than	6.5%

INGREDIENTS

Ground wheat, dehulled soybean meal, ground corn, wheat germ, brewers dried yeast, porcine animal fat preserved with BHA, calcium carbonate, soybean oil, salt, DL-methionine, dicalcium phosphate, monocalcium phosphate, menadione dimethylpyrimidinol bisulfite (vitamin K), choline chloride, pyridoxine hydrochloride, cholecalciferol, dried whey, vitamin A acetate, lecithin, biotin, dl-alpha tocopheryl acetate, casein, folic acid, vitamin B_{12} supplement, thiamin mononitrate, ferrous sulfate, calcium pantothenate, nicotinic acid, riboflavin, manganous oxide, zinc oxide, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, cobalt carbonate, sodium selenite.

FEEDING DIRECTIONS

Mouse Diet should be fed to breeders and lactating females on a free-choice basis. Plenty of fresh, clean water should be available to the animals at all times.

Mice-Adult mice will eat up to 5 grams of pelleted ration daily. Some of the larger strains may eat as much as 8 grams per day per animal. Feed should be available on a free choice basis in wire feeders above the floor of the cage.

CHEMICAL COMPOSITION[1]

Nutrients[2]

Protein, %	**18.9**
Arginine, %	1.09
Cystine, %	0.28
Glycine, %	0.79
Histidine, %	0.44
Isoleucine, %	0.97
Leucine, %	1.40
Lysine, %	1.05
Methionine, %	0.70
Phenylalanine, %	0.82
Tyrosine, %	0.51
Threonine, %	0.70
Tryptophan, %	0.26
Valine, %	0.92
Serine, %	0.99
Aspartic Acid, %	2.01
Glutamic Acid, %	4.13
Alanine, %	0.99
Proline, %	1.29
Taurine, %	<0.01
Fat (ether extract), %	**11.0**
Fat (acid hydrolysis), %	**11.2**
Cholesterol, ppm	28
Linoleic Acid, %	2.05
Linolenic Acid, %	0.17
Arachidonic Acid, %	0.02
Omega-3 Fatty Acids, %	0.21
Total Saturated Fatty Acids, %	3.71
Total Monounsaturated Fatty Acids, %	3.87
Fiber (Crude), %	**2.2**
Neutral Detergent Fiber[3], %	10.3
Acid Detergent Fiber[4], %	3.0
Nitrogen-Free Extract (by difference), %	**52.2**
Starch, %	32.5
Glucose, %	0.11
Fructose, %	0.11
Sucrose, %	0.88
Lactose, %	2.70
Total Digestible Nutrients,%	**88.1**
Gross Energy, kcal/gm	**4.68**
Physiological Fuel Value[5], kcal/gm	**3.81**
Metabolizable Energy, kcal/gm	**3.70**

Minerals

Ash, %	**5.8**
Calcium, %	0.80
Phosphorus, %	0.50
Phosphorus (non-phytate), %	0.23
Potassium, %	0.81
Magnesium, %	0.16
Sulfur, %	0.28
Sodium, %	0.44
Chlorine, %	0.71
Fluorine, ppm	7.1
Iron, ppm	170
Zinc, ppm	120
Manganese, ppm	120
Copper, ppm	20
Cobalt, ppm	0.63
Iodine, ppm	1.5
Chromium, ppm	0.46
Selenium, ppm	0.30

Vitamins

Carotene, ppm	0.20
Vitamin K (as menadione),ppm	3.0
Thiamin Hydrochloride, ppm	13
Riboflavin, ppm	5.6
Niacin, ppm	88
Pantothenic Acid, ppm	20
Choline Chloride, ppm	2000
Folic Acid, ppm	2.9
Pyridoxine, ppm	9.6
Biotin, ppm	0.30
B_{12}, mcg/kg	51
Vitamin A, IU/gm	18
Vitamin D_3 (added), IU/gm	3.3
Vitamin E, IU/kg	66
Ascorbic Acid, mg/gm	—

Calories provided by:

Protein, %	19.805
Fat (ether extract), %	25.337
Carbohydrates, %	54.858

*Product Code

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.
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.