Autoclavable Mouse Breeder Diet 5021

DESCRIPTION

Autoclavable Mouse Breeder Diet is formulated using managed formulation, delivering Constant Nutrition®. This is paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies. It is fortified with extra nutrients to compensate for nutrient losses during autoclaving and ensure nutritional adequacy. It is recommended for the life-cycle feeding of high reproducing mice. Where postpartum breeding is employed, the mice require high energy to fulfill their metabolic needs for sustaining gestation and lactation simultaneously. This product is coated with a small amount of silicon dioxide to reduce clumping during the autoclaving process.

Features and Benefits

- Managed Formulation delivers Constant Nutrition®
- A high-energy formulation that supports post-partum reproduction
- Fortified with extra nutrients to compensate for losses during autoclaving
- Coated with silicon dioxide to reduce sticking and clumping
- High quality animal protein added to create a superior balance of amino acids for optimum performance

Product Forms Available	*Catalog #*
• Oval pellet, 3/8" x 5/8" x 1", 15 kg	0006540

GUARANTEED ANALYSIS

Crude protein not less than	20.00%
Crude fat not less than	9.00%
Crude fiber not more than	5.00%
Moisture not more than	12.00%
Ash not more than	6.50%
Sodium not more than	0.70%

INGREDIENTS

Ground Ground Corn, Wheat Middlings, Dehulled Soybean Meal, Wheat Germ, Fish Meal, Ground Wheat, Porcine Animal Fat Preserved with BHA and Citric Acid, Brewers Dried Yeast, Soybean Oil, Calcium Carbonate, Ground Oats, Dried Plain Beet Pulp, Salt, DL-Methionine, Pyridoxine Hydrochloride, Choline Chloride, Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), Thiamine Mononitrate, Vitamin A Acetate, Silicon Dioxide, Cholecalciferol (Vitamin D3), Manganous Oxide, Zinc Oxide, Folic Acid, DL-Alpha Tocopheryl Acetate (Vitamin E), Ferrous Carbonate, Calcium Pantothenate, Vitamin B12 Supplement, Riboflavin Supplement, Copper Sulfate, Nicotinic Acid, Zinc Sulfate, Calcium Iodate, Cobalt Carbonate, Biotin, Sodium Selenite.

FEEDING DIRECTIONS

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

Mice- All 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, especially during heavy lactation. Feed should be available on a free choice basis in wire feeders above the floor of the cage.

NOTE: Do not feed this or any other autoclavable diet prior to autoclaving.

For information regarding shelf life please visit www.labdiet.com.

CHEMICAL COMPOSITION[1]

Nutrients[2]

Protein, %	**21.5**
Arginine, %	1.34
Cystine, %	0.38
Glycine, %	1.02
Histidine, %	0.55
Isoleucine, %	0.86
Leucine, %	1.55
Lysine, %	1.25
Methionine, %	0.60
Phenylalanine, %	0.89
Tyrosine, %	0.59
Threonine, %	0.79
Tryptophan, %	0.25
Valine, %	0.99
Serine, %	0.94
Aspartic Acid, %	2.07
Glutamic Acid, %	3.97
Alanine, %	1.24
Proline, %	1.28
Taurine, %	0.04
Fat (ether extract), %	**9.8**
Fat (acid hydrolysis), %	**11.1**
Cholesterol, ppm	295
Linoleic Acid, %	2.58
Linolenic Acid, %	0.26
Arachidonic Acid, %	0.03
Omega-3 Fatty Acids, %	0.59
Total Saturated Fatty Acids, %	2.58
Total Monounsaturated Fatty Acids, %	2.89
Fiber (Crude), %	**3.6**
Neutral Detergent Fiber[3], %	14.7
Acid Detergent Fiber[4], %	4.4
Nitrogen-Free Extract (by difference), %	**49.5**
Starch, %	29.0
Sucrose, %	1.04
Total Digestible Nutrients,%	**81.1**
Gross Energy, kcal/gm	**4.62**
Physiological Fuel Value[5], kcal/gm	**3.72**
Metabolizable Energy, kcal/gm	**3.35**

Minerals

Ash, %	**5.5**
Calcium, %	0.80
Phosphorus, %	0.82
Phosphorus (non-phytate), %	0.47
Potassium, %	0.84
Magnesium, %	0.22
Sulfur, %	0.27
Sodium, %	0.28
Chloride, %	0.46
Fluorine, ppm	13
Iron, ppm	200
Zinc, ppm	130
Manganese, ppm	140
Copper, ppm	17
Cobalt, ppm	0.53
Iodine, ppm	1.6
Chromium (added), ppm	0.01
Selenium, ppm	0.45

Vitamins

Carotene, ppm	0.3
Vitamin K, ppm	3.2
Thiamin, ppm	86
Riboflavin, ppm	8.0
Niacin, ppm	87
Pantothenic Acid, ppm	22
Choline, ppm	1590
Folic Acid, ppm	3.0
Pyridoxine, ppm	15
Biotin, ppm	0.30
B_{12}, mcg/kg	51
Vitamin A, IU/gm	30
Vitamin D_3 (added), IU/gm	3.4
Vitamin E, IU/kg	59
Ascorbic Acid, mg/gm	0.0

Calories provided by:

Protein, %	23.107
Fat (ether extract), %	23.698
Carbohydrates, %	53.195

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 carbo- hydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.

NOTE: When assayed, actual levels may vary from calculated values.

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