

Laboratory Autoclavable Rodent Diet 5010

DESCRIPTION

Laboratory Autoclavable Rodent Diet is a complete life cycle diet especially formulated to support maintenance of rats, mice, hamsters, and gerbils in a laboratory setting. Although a complete life cycle formula, this may not support maximized production in mouse breeding colonies. This diet is fortified with vitamins to compensate for loss during autoclaving and contains silicon dioxide which reduces clumping. This 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.

Features and Benefits

- [Managed Formulation delivers Constant Nutrition[®]](#)
- High quality animal protein added to create a superior balance of amino acids for optimum performance
- Macronutrient levels similar to 5001
- Fortified with vitamins to account for losses during the autoclave process
- Coated with silicon dioxide to reduce sticking and clumping during autoclaving

Product Forms Available

Product Forms Available	Catalog #
• Oval pellet, 3/8" x 5/8" x 1" length, 50 lb	0001326
• Oval pellet, 3/8" x 5/8" x 1" length, 15 kg	0006524
• Meal (ground pellets), 50 lb	** 0006525

** For ordering, contact info@LabDiet.com

GUARANTEED ANALYSIS

Crude protein not less than	23.00%
Crude fat not less than	4.50%
Crude fiber not more than	6.00%
Moisture not more than	12.00%
Ash not more than	8.00%

INGREDIENTS

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

FEEDING DIRECTIONS

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

Rats- All rats will eat varying amounts of feed depending on their genetic origin. Larger strains will eat up to 30 grams per day. Smaller strains will eat up to 15 grams per day. Feeders in rat cages should be designed to hold two to three days supply of feed at one time.

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.

Hamsters-Adults will eat up to 14 grams per day.

CHEMICAL COMPOSITION¹

Nutrients²		Iron, ppm	230
Protein, %	24.6	Zinc, ppm	130
Arginine, %	1.55	Manganese, ppm	130
Cystine, %	0.42	Copper, ppm	18
Glycine, %	1.22	Cobalt, ppm	0.60
Histidine, %	0.63	Iodine, ppm	1.6
Isoleucine, %	1.02	Chromium (added), ppm	0.01
Leucine, %	1.85	Selenium, ppm	0.48
Lysine, %	1.46		
Methionine, %	0.56	Vitamins	
Phenylalanine, %	1.08	Carotene, ppm	1.3
Tyrosine, %	0.72	Vitamin K, ppm	3.4
Threonine, %	0.93	Thiamin, ppm	81
Tryptophan, %	0.28	Riboflavin, ppm	16
Valine, %	1.14	Niacin, ppm	120
Serine, %	1.16	Pantothenic Acid, ppm	27
Aspartic Acid, %	2.62	Choline, ppm	1800
Glutamic Acid, %	4.84	Folic Acid, ppm	6.1
Alanine, %	1.46	Pyridoxine, ppm	17
Proline, %	1.51	Biotin, ppm	0.30
Taurine, %	0.05	B ₁₂ , mcg/kg	51
Fat (ether extract), %	5.0	Vitamin A, IU/gm	24
Fat (acid hydrolysis), %	6.5	Vitamin D ₃ (added), IU/gm	4.6
Cholesterol, ppm	268	Vitamin E, IU/kg	62
Linoleic Acid, %	1.55	Ascorbic Acid, mg/gm	0.0
Linolenic Acid, %	0.16		
Arachidonic Acid, %	0.02	Calories provided by:	
Omega-3 Fatty Acids, %	0.44	Protein, %	28.698
Total Saturated Fatty Acids, %	1.12	Fat (ether extract), %	13.124
Total Monounsaturated		Carbohydrates, %	58.178
Fatty Acids, %	1.21		
Fiber (Crude), %	4.2	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.	
Neutral Detergent Fiber ³ , %	14.9	2. Nutrients expressed as percent of ration except where otherwise indicated. Moisture content is assumed to be 10.0% for the purpose of calculations.	
Acid Detergent Fiber ⁴ , %	5.3	3. NDF = approximately cellulose, hemicellulose and lignin.	
Nitrogen-Free Extract		4. ADF = approximately cellulose and lignin.	
(by difference), %	49.9	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.	
Starch, %	28.8	NOTE: When assayed, actual levels may vary from calculated values.	
Sucrose, %	1.54		
Total Digestible Nutrients, %	74.5		
Gross Energy, kcal/gm	4.17		
Physiological Fuel Value⁵, kcal/gm	3.43		
Metabolizable Energy, kcal/gm	3.00		
Minerals			
Ash, %	6.3		
Calcium, %	1.00		
Phosphorus, %	0.79		
Phosphorus (non-phytate), %	0.47		
Potassium, %	0.99		
Magnesium, %	0.21		
Sulfur, %	0.28		
Sodium, %	0.28		
Chloride, %	0.48		
Fluorine, ppm	16		