

DESCRIPTION

Prolab[®] Rat/Mouse/Hamster 3500 is an autoclavable diet formulated for growth and reproduction. It is the companion product of Prolab[®] RMH 3000. Protein, mineral and vitamin levels have been fortified and carefully balanced so that maximum food values are maintained after sterilization. It can also be pasteurized or sterilized without clumping. 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.

Features and Benefits

- Constant Nutrition[®] formula helps minimize nutritional variables
- Processed and packaged for autoclaving
- Supports optimum growth and efficient reproduction performance of rats, hamsters and mice
- Fortified with extra nutrients to compensate for losses during autoclaving
- Processed with silicon dioxide to reduce sticking and clumping

Product Forms Available

- Oval pellet, 10 mm x 16 mm x 25 mm length (3/8"x5/8"x1")

GUARANTEED ANALYSIS

Crude protein not less than	22.0%
Crude fat not less than	5.0%
Crude fiber not more than	5.0%
Ash not more than	6.0%
Added minerals not more than	2.5%

AUTOCLAVING SUGGESTIONS

To autoclave the pellets, place on trays, in small bags, or in larger bags, to a depth of no more than 3 inches. When steam autoclaved, the pellets swell and exert force on adjacent pellets. Confinement by a bag or container creates additional pressure, which may result in sticking. **Assay before and after autoclaving:** Conditions of sterilization must be determined for each autoclaving unit. Microbiological evaluation should be done to insure sterilization is achieved. It is best to assay the diet before and after sterilization to determine nutrient losses.

INGREDIENTS

Ground wheat, soybean meal, wheat middlings, ground yellow corn, fish meal, soybean hulls, soybean oil, alfalfa meal, calcium lignin sulfonate, calcium carbonate, brewers dried yeast, salt, dicalcium phosphate, silicon dioxide, DL-methionine, L-lysine, manganese oxide, magnesium oxide, ferrous sulfate, zinc oxide, copper sulfate, calcium iodate, cobalt carbonate, vitamin A acetate, cholecalciferol, dl-alpha tocopheryl acetate, vitamin B₁₂ supplement, riboflavin, nicotinic acid, calcium pantothenate, menadione dimethylpyrimidinol bisulfite (source of vitamin K), folic acid, pyridoxine hydrochloride, thiamin mononitrate, biotin, choline chloride.

FEEDING DIRECTIONS

Prolab[®] RMH 3500, Autoclavable is designed for growth and reproduction of rodents. It contains all the nutrients that are required for growth, lactation, and reproduction. This diet should be fed free choice in a self-feeder. Keep a constant supply of fresh water available.

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.

Important: A feeding program is only as effective as the management practices followed.

Caution: Store in a dry, well ventilated area, free of pests and insects. Do not use moldy or insect-infested feed.

12/11/09

CHEMICAL COMPOSITION¹

Nutrients²

Protein, %	22.5
Arginine, %	1.32
Cystine, %	0.29
Glycine, %	1.12
Histidine, %	0.53
Isoleucine, %	1.16
Leucine, %	1.66
Lysine, %	1.35
Methionine, %	0.51
Phenylalanine, %	1.01
Tyrosine, %	0.61
Threonine, %	0.83
Tryptophan, %	0.30
Valine, %	1.15
Serine, %	1.16
Aspartic Acid, %	2.31
Glutamic Acid, %	5.07
Alanine, %	1.20
Proline, %	1.63
Taurine, %	0.03
Fat (ether extract), %	5.9
Fat (acid hydrolysis), %	6.7
Cholesterol, ppm	265
Linoleic Acid, %	2.72
Linolenic Acid, %	0.34
Arachidonic Acid, %	0.00
Omega-3 Fatty Acids, %	0.65
Total Saturated Fatty Acids, %	1.19
Total Monounsaturated Fatty Acids, %	1.29
Fiber (Crude), %	4.8
Neutral Detergent Fiber ³ , %	15.0
Acid Detergent Fiber ⁴ , %	6.4
Nitrogen-Free Extract (by difference), %	50.1
Starch, %	31.3
Glucose, %	0.1
Fructose, %	0.1
Sucrose, %	0.8
Lactose, %	0.0
Total Digestible Nutrients, %	79.4
Gross Energy, kcal/gm	4.10
Physiological Fuel Value⁵, kcal/gm	3.43
Metabolizable Energy, kcal/gm	3.19
Minerals	
Ash, %	6.7
Calcium, %	1.17
Phosphorus, %	0.76
Phosphorus (non-phytate), %	0.51
Potassium, %	0.82
Magnesium, %	0.21

Sulfur, %	0.24
Sodium, %	0.27
Chlorine, %	0.47
Fluorine, ppm	20
Iron, ppm	400
Zinc, ppm	120
Manganese, ppm	130
Copper, ppm	13
Cobalt, ppm	0.27
Iodine, ppm	0.99
Chromium, ppm	1.5
Selenium, ppm	0.28

Vitamins

Carotene, ppm	2.4
Vitamin K (as menadione), ppm	1.8
Thiamin Hydrochloride, ppm	90
Riboflavin, ppm	15
Niacin, ppm	80
Pantothenic Acid, ppm	31
Choline Chloride, ppm	1500
Folic Acid, ppm	2.9
Pyridoxine, ppm	6.4
Biotin, ppm	0.33
B ₁₂ , mcg/kg	73
Vitamin A, IU/gm	30
Vitamin D ₃ (added), IU/gm	2.2
Vitamin E, IU/kg	75
Ascorbic Acid, mg/gm	—

Calories provided by:

Protein, %	26.201
Fat (ether extract), %	15.459
Carbohydrates, %	58.340

*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.