Prolab® RMH 1000 5P07*

DESCRIPTION

Prolab® Rat/Mouse/Hamster 1000 is the optimum diet for maintenance of adult non-breeding rodents in studies in which a low-protein diet formulated for adult animals is required. 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
- High quality animal protein added to create a superior balance of amino acids for optimum performance
- Provides all the nutrients necessary to sustain animals for long and short term efficacy research
- 14% Protein, suitable for maintaining non-breeding adult animals

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	14.0%
Crude fat not less than	6.0%
Crude fiber not more than	4.5%
Ash not more than	8.0%

INGREDIENTS

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

FEEDING DIRECTIONS

Feed to rodents in short-term studies or animals being maintained in long-term studies. 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.

CHEMICAL COMPOSITION[1]

Nutrients[2]

Protein, %	**16.4**
Arginine, %	0.91
Cystine, %	0.23
Glycine, %	1.06
Histidine, %	0.35
Isoleucine, %	0.65
Leucine, %	1.12
Lysine, %	0.70
Methionine, %	0.25
Phenylalanine, %	0.67
Tyrosine, %	0.37
Threonine, %	0.53
Tryptophan, %	0.21
Valine, %	0.74
Serine, %	0.82
Aspartic Acid, %	1.42
Glutamic Acid, %	4.08
Alanine, %	0.86
Proline, %	1.49
Taurine, %	0.00
Fat (ether extract), %	**6.2**
Fat (acid hydrolysis), %	**7.1**
Cholesterol, ppm	97
Linoleic Acid, %	1.16
Linolenic Acid, %	0.08
Arachidonic Acid, %	0.01
Omega-3 Fatty Acids, %	0.08
Total Saturated Fatty Acids, %	2.66
Total Monounsaturated Fatty Acids, %	2.30
Fiber (Crude), %	**3.5**
Neutral Detergent Fiber[3], %	14.6
Acid Detergent Fiber[4], %	4.8
Nitrogen-Free Extract (by difference), %	**57.6**
Starch, %	41.3
Glucose, %	0.1
Fructose, %	0.2
Sucrose, %	0.6
Lactose, %	0.0
Total Digestible Nutrients,%	**80.8**
Gross Energy, kcal/gm	**4.06**
Physiological Fuel Value[5], kcal/gm	**3.53**
Metabolizable Energy, kcal/gm	**3.37**

Minerals

Ash, %	**5.9**
Calcium, %	1.05
Phosphorus, %	0.80
Phosphorus (non-phytate), %	0.57
Potassium, %	0.66
Magnesium, %	0.19
Sulfur, %	0.18
Sodium, %	0.27
Chlorine, %	0.48
Fluorine, ppm	32
Iron, ppm	360
Zinc, ppm	110
Manganese, ppm	86
Copper, ppm	10
Cobalt, ppm	0.29
Iodine, ppm	0.90
Chromium, ppm	1.6
Selenium, ppm	0.09

Vitamins

Carotene, ppm	3.6
Vitamin K (as menadione),ppm	1.5
Thiamin Hydrochloride, ppm	8.0
Riboflavin, ppm	11
Niacin, ppm	57
Pantothenic Acid, ppm	11
Choline Chloride, ppm	1600
Folic Acid, ppm	0.95
Pyridoxine, ppm	5.5
Biotin, ppm	0.28
B_{12}, mcg/kg	52
Vitamin A, IU/gm	21
Vitamin D_3 (added), IU/gm	1.8
Vitamin E, IU/kg	58
Ascorbic Acid, mg/gm	—

Calories provided by:

Protein, %	18.563
Fat (ether extract), %	15.789
Carbohydrates, %	65.648

*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.