

## DESCRIPTION

Prolab<sup>®</sup> IsoPro<sup>®</sup> RMH 3000 is a 22% protein diet formulated for rats, mice and hamsters in a laboratory setting. This diet is a complete life cycle diet formulated using managed formulation, delivering Constant Nutrition<sup>®</sup>. This is paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies. Irradiated in 3-ply packaging to provide bioburden reduction for animals in a barrier facility.

### Features and Benefits

- **Managed Formulation delivers Constant Nutrition<sup>®</sup>**
- High quality animal protein added to create a superior balance of amino acids for optimum performance
- Supports optimum growth and efficient reproductive performance of rats, hamsters, and many mouse strains
- Utilizes a variety of energy sources to deliver nutrition at an economical cost
- Irradiation gives reliable microbial control and eliminates the need for autoclaving
- LabDiet<sup>®</sup> 5P76 is the irradiated equivalent to 5P00

### Product Forms Available

- Oval pellet, 3/8"x5/8"x1", Irradiated, 30 lb **Catalog #** 3005737-220
- Extruded, Irradiated, 20 lb **\*\*** 3005984-712

### Other Irradiated Versions Available

- 5P75 Prolab<sup>®</sup> IsoPro<sup>®</sup> RMH 3000, Pelleted, Vacuum Packaged 5 lb, 6 per box (30 lb box) **Catalog #** 0006972
- 5P75 Prolab<sup>®</sup> IsoPro<sup>®</sup> RMH 3000 Meal (ground pellets), Vacuum Packaged 5 lb, 6 per box (30 lb box) **Catalog #** 0036665

### Non-Irradiated Versions Available

- 5P00 Prolab<sup>®</sup> RMH 3000, Pelleted, 50 lb **Catalog #** 0001495

**\*\* For ordering, contact [info@LabDiet.com](mailto:info@LabDiet.com)**

## GUARANTEED ANALYSIS

Crude protein not less than	22.00%
Crude fat not less than	5.00%
Crude fiber not more than	5.00%
Moisture not more than	12.00%
Ash not more than	8.00%

## INGREDIENTS

Ground Wheat, Dehulled Soybean Meal, Wheat Middlings, Ground Corn, Fish Meal, Porcine Animal Fat Preserved with BHA and Citric Acid, Dehydrated Alfalfa Meal, Calcium Carbonate, Brewers Dried Yeast, Soybean Oil, Dicalcium Phosphate, Salt, DL-Methionine, L-Lysine, Choline Chloride, Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), Ferrous Sulfate, Magnesium Oxide, Pyridoxine Hydrochloride, Cholecalciferol (Vitamin D<sub>3</sub>), Vitamin A Acetate, DL-Alpha Tocopheryl Acetate (Vitamin E), Vitamin B12 Supplement, Riboflavin Supplement, Zinc Oxide, Manganese Oxide, Ferrous Carbonate, Thiamine Mononitrate, Copper Sulfate, Calcium Pantothenate, Folic Acid, Nicotinic Acid, Zinc Sulfate, Calcium Iodate, Cobalt Carbonate, Biotin, Sodium Selenite.

## FEEDING DIRECTIONS

Feed ad libitum. Provide plenty of fresh clean water 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.

For information regarding shelf life please visit [www.labdiet.com](http://www.labdiet.com).

## CHEMICAL COMPOSITION<sup>1</sup>

### Nutrients<sup>2</sup>

<b>Protein, %</b> .....	<b>22.5</b>
Arginine, %.....	1.41
Cystine, %.....	0.40
Glycine, %.....	1.11
Histidine, %.....	0.56
Isoleucine, %.....	0.90
Leucine, %.....	1.64
Lysine, %.....	1.31
Methionine, %.....	0.58
Phenylalanine, %.....	0.99
Tyrosine, %.....	0.64
Threonine, %.....	0.82
Tryptophan, %.....	0.28
Valine, %.....	1.03
Serine, %.....	1.12
Aspartic Acid, %.....	2.30
Glutamic Acid, %.....	5.06
Alanine, %.....	1.20
Proline, %.....	1.49
Taurine, %.....	0.03
<b>Fat (ether extract), %</b> .....	<b>5.5</b>
<b>Fat (acid hydrolysis), %</b> .....	<b>6.9</b>
Cholesterol, ppm.....	198
Linoleic Acid, %.....	1.60
Linolenic Acid, %.....	0.17
Arachidonic Acid, %.....	0.02
Omega-3 Fatty Acids, %.....	0.34
Total Saturated Fatty Acids, %	1.60
Total Monounsaturated	
Fatty Acids, %.....	1.75
<b>Fiber (Crude), %</b> .....	<b>4.3</b>
Neutral Detergent Fiber <sup>3</sup> , %.....	15.4
Acid Detergent Fiber <sup>4</sup> , %.....	5.2
<b>Nitrogen-Free Extract</b>	
<b>(by difference), %</b> .....	<b>51.2</b>
Starch, %.....	30.6
Sucrose, %.....	1.46
<b>Total Digestible Nutrients, %</b>	<b>77.9</b>
<b>Gross Energy, kcal/gm</b> .....	<b>4.17</b>
<b>Physiological Fuel Value<sup>5</sup>,</b>	
<b>kcal/gm</b> .....	<b>3.44</b>
<b>Metabolizable Energy,</b>	
<b>kcal/gm</b> .....	<b>3.16</b>
<b>Minerals</b>	
<b>Ash, %</b> .....	<b>6.4</b>
Calcium, %.....	1.09
Phosphorus, %.....	0.79
Phosphorus (non-phytate), %.....	0.47
Potassium, %.....	0.95
Magnesium, %.....	0.23
Sulfur, %.....	0.29
Sodium, %.....	0.22
Chloride, %.....	0.40
Fluorine, ppm.....	17

Iron, ppm.....	360
Zinc, ppm.....	110
Manganese, ppm.....	100
Copper, ppm.....	14
Cobalt, ppm.....	0.41
Iodine, ppm.....	0.99
Chromium (added), ppm.....	0.01
Selenium, ppm.....	0.41

### Vitamins

Carotene, ppm.....	1.2
Vitamin K, ppm.....	1.9
Thiamin, ppm.....	9.7
Riboflavin, ppm.....	14
Niacin, ppm.....	60
Pantothenic Acid, ppm.....	13
Choline, ppm.....	1730
Folic Acid, ppm.....	1.2
Pyridoxine, ppm.....	8.3
Biotin, ppm.....	0.40
B <sub>12</sub> , mcg/kg.....	77
Vitamin A, IU/gm.....	18
Vitamin D <sub>3</sub> (added), IU/gm.....	2.5
Vitamin E, IU/kg.....	75
Ascorbic Acid, mg/gm.....	0.0

### Calories provided by:

Protein, %.....	26.126
Fat (ether extract), %.....	14.377
Carbohydrates, %.....	59.497

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.

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