

## DESCRIPTION

Prolab<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.

### 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 reproduction performance of rats, mice and hamsters
- Utilizes a variety of energy sources to deliver nutrition at an economical cost

### Product Forms Available

- Oval pellet, 3/8" x 5/8" x 1", 50 lb
- Oval pellet, 3/8" x 5/8" x 1", 25 lb
- Meal (ground pellets), 50 lb
- Extruded particle, 15 kg

### Catalog #

0001495  
\*\* 0006775  
\*\* 0005594  
\*\* 0052583

### Irradiated Versions Available

- 5P75 Prolab<sup>®</sup> IsoPro<sup>®</sup> RMH 3000, Pelleted, Vacuum Packaged 5 lb, 6 per box (30 lb box) 0006972
- 5P75 Prolab<sup>®</sup> IsoPro<sup>®</sup> RMH 3000 Meal (ground pellets), Vacuum Packaged 5 lb, 6 per box (30 lb box) 0036665
- 5P76 Prolab<sup>®</sup> IsoPro<sup>®</sup> RMH 3000, 30 lb 3005737-220
- 5P76 Prolab<sup>®</sup> IsoPro<sup>®</sup> RMH 3000, Extruded, 20 lb \*\* 3005984-712

### Catalog #

0006972  
0036665  
3005737-220  
\*\* 3005984-712

### Autoclavable Versions Available

- 5P04 Prolab<sup>®</sup> RMH 3500, Pelleted, 25 lb 0006778
- \*\* For ordering, contact [info@LabDiet.com](mailto:info@LabDiet.com)

### Catalog #

0006778

## 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 D3), Vitamin A Acetate, DL-Alpha Tocopheryl Acetate (Vitamin E), Vitamin B12 Supplement, Riboflavin Supplement, Zinc Oxide, Manganous 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 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.

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>	Iron, ppm . . . . .	360
Arginine, % . . . . .	1.41	Zinc, ppm . . . . .	110
Cystine, % . . . . .	0.40	Manganese, ppm . . . . .	100
Glycine, % . . . . .	1.11	Copper, ppm . . . . .	14
Histidine, % . . . . .	0.56	Cobalt, ppm . . . . .	0.41
Isoleucine, % . . . . .	0.90	Iodine, ppm . . . . .	0.99
Leucine, % . . . . .	1.64	Chromium (added), ppm . . . . .	0.01
Lysine, % . . . . .	1.31	Selenium, ppm . . . . .	0.41
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 (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>, kcal/gm</b> . . . . .	<b>3.44</b>		
<b>Metabolizable Energy, kcal/gm</b> . . . . .	<b>3.16</b>		

### 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, hemicellulose 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.**

<b>Minerals</b>	
Ash, % . . . . .	6.4
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