

## DESCRIPTION

Prolab<sup>®</sup> RMH 2500, Autoclavable 5R24 is an autoclavable version of 5P14. This diet is formulated using the unique and innovative concept of Constant Nutrition<sup>®</sup>, paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies. This diet is a versatile rodent diet designed for laboratory rats, mice and hamsters. It can be used in a wide range of applications, including research studies and non-intensive reproduction.

### Features and Benefits

- Constant Nutrition<sup>®</sup> formula helps minimize nutritional variables
- High quality animal protein added to create a superior balance of amino acids for optimum performance
- Utilizes a wide range of energy sources to deliver nutrition at an economical cost
- Fortified with extra nutrients to compensate for losses during autoclaving
- Processed with silicon dioxide to reduce sticking and clumping
- Processed and packaged for autoclaving

### Product Forms Available

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

### Other Versions Available

- 5P14 Prolab<sup>®</sup> RMH 2500

## GUARANTEED ANALYSIS

Crude protein not less than	23.0%
Crude fat not less than	4.5%
Crude fiber not more than	6.0%
Ash not more than	8.0%

## AUTOCCLAVING 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

Dehulled soybean meal, ground corn, wheat middlings, fish meal, ground oats, dehydrated alfalfa meal, porcine animal fat preserved with BHA, calcium carbonate, dried beet pulp, wheat germ, salt, soybean oil, ground wheat, ground soybean hulls, cane molasses, DL-methionine, dicalcium phosphate, monocalcium phosphate, corn gluten meal, pyridoxine hydrochloride, menadione dimethylpyrimidinol bisulfite, choline chloride, thiamin mononitrate, L-lysine, cholecalciferol, brewers dried yeast, silicon dioxide, vitamin A acetate, folic acid, dl-alpha tocopheryl acetate, biotin, riboflavin, calcium pantothenate, nicotinic acid, vitamin B<sub>12</sub> supplement, manganous oxide, zinc oxide, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, cobalt carbonate, 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.

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

<b>Nutrients<sup>2</sup></b>			
<b>Protein, %</b>	<b>24.9</b>	Sulfur, %	0.28
Arginine, %	1.62	Sodium, %	0.29
Cystine, %	0.35	Chlorine, %	0.50
Glycine, %	1.20	Fluorine, ppm	10
Histidine, %	0.63	Iron, ppm	310
Isoleucine, %	1.25	Zinc, ppm	150
Leucine, %	2.00	Manganese, ppm	140
Lysine, %	1.45	Copper, ppm	21
Methionine, %	0.49	Cobalt, ppm	0.60
Phenylalanine, %	1.18	Iodine, ppm	2.0
Tyrosine, %	0.77	Chromium, ppm	1.2
Threonine, %	0.97	Selenium, ppm	0.32
Tryptophan, %	0.32		
Valine, %	1.31	<b>Vitamins</b>	
Serine, %	1.37	Carotene, ppm	2.3
Aspartic Acid, %	2.90	Vitamin K (as menadione), ppm	3.2
Glutamic Acid, %	5.35	Thiamin Hydrochloride, ppm	91
Alanine, %	1.33	Riboflavin, ppm	15
Proline, %	1.72	Niacin, ppm	130
Taurine, %	0.00	Pantothenic Acid, ppm	26
<b>Fat (ether extract), %</b>	<b>4.8</b>	Choline Chloride, ppm	2200
<b>Fat (acid hydrolysis), %</b>	<b>6.3</b>	Folic Acid, ppm	7.9
Cholesterol, ppm	97	Pyridoxine, ppm	17
Linoleic Acid, %	1.77	Biotin, ppm	0.35
Linolenic Acid, %	0.14	B <sub>12</sub> , mcg/kg	33
Arachidonic Acid, %	0.00	Vitamin A, IU/gm	44
Omega-3 Fatty Acids, %	0.20	Vitamin D <sub>3</sub> (added), IU/gm	4.5
Total Saturated Fatty Acids, %	1.54	Vitamin E, IU/kg	67
Total Monounsaturated		Ascorbic Acid, mg/gm	--
Fatty Acids, %	1.31		
<b>Fiber (Crude), %</b>	<b>4.7</b>	<b>Calories provided by:</b>	
Neutral Detergent Fiber <sup>3</sup> , %	13.7	Protein, %	29.294
Acid Detergent Fiber <sup>4</sup> , %	5.6	Fat (ether extract), %	12.706
<b>Nitrogen-Free Extract</b>		Carbohydrates, %	58.000
<b>(by difference), %</b>	<b>49.3</b>	*Product Code	
Starch, %	25.1	1. Formulation based on calculated	
Glucose, %	0.2	values from the latest ingredient	
Fructose, %	0.2	analysis information. Since	
Sucrose, %	2.1	nutrient composition of natural	
Lactose, %	0.3	ingredients varies and some	
<b>Total Digestible Nutrients, %</b>	<b>77.5</b>	nutrient loss will occur due to	
<b>Gross Energy, kcal/gm</b>	<b>4.10</b>	manufacturing processes, analysis	
<b>Physiological Fuel Value<sup>5</sup>,</b>		will differ accordingly.	
<b>kcal/gm</b>	<b>3.40</b>	2. Nutrients expressed as percent of	
<b>Metabolizable Energy,</b>		ration except where otherwise	
<b>kcal/gm</b>	<b>3.12</b>	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 carbo-	
		hydrate (use Nitrogen Free	
		Extract) x 4,9,4 kcal/gm	
		respectively.	