

DESCRIPTION

PicoLab[®] Rodent Diet 20 is a 20% protein diet formulated for rat, hamster and mouse breeding colonies. This diet is a complete life cycle diet formulated using managed formulation, delivering Constant Nutrition[®]. This is paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies. Irradiation gives reliable microbial control and eliminates the need for autoclaving. Irradiation treatment and special 3-ply packaging provide virtually bacteria-free dietary control.

Features and Benefits

- [Managed Formulation delivers Constant Nutrition[®]](#)
- Precision processing and selection of highest quality ingredients assures Constant Nutrition[®] quality
- Formulated with 20% protein
- High quality animal protein added to create a superior balance of amino acids for optimum performance
- Recommended for rat breeding colonies and mice not requiring a higher energy diet
- Irradiation gives reliable microbial control and eliminates the need for autoclaving

Product Forms Available

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| • Oval pellet, (3/8"x5/8"x1"), Irradiated, 30 lb | Catalog # 3005740-220 |
| • Meal (ground pellets), Irradiated, 30 lb | Catalog # 3005740-020 |

Other Irradiated Versions Available

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| • 5R53: Extruded Particle, Irradiated, 20lb | Catalog # 3002890-712 |
| • 5R53: Meal, Irradiated, 30lb | Catalog # 3005839-020 |
| • 5061: Pico-Vac [®] Lab Rodent Diet, Irradiated
5 lb vacuum sealed, 6 per box (30 lb box) | Catalog # 0006954 |
| • 5K75: Certified PicoLab [®] Rodent 20, Irradiated, 30 lb | Catalog # 3005965-220 |
| • 5LU7: Macro-Pack [™] PicoLab [®] Rodent Diet 5053 | Catalog # 0066400 |

Other Non-Irradiated Versions Available

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| • 5L0B Laboratory Rodent Diet 20, 15 kg | Catalog # 0067097 |
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GUARANTEED ANALYSIS

Crude protein not less than	20.00%
Crude fat not less than	4.50%
Crude fiber not more than	6.00%
Ash not more than	7.00%
Moisture not more than	12.00%

INGREDIENTS

Ground Corn, Dehulled Soybean Meal, Wheat Middlings, Ground Wheat, Fish Meal, Wheat Germ, Dried Plain Beet Pulp, Cane Molasses, Brewers Dried Yeast, Ground Oats, Dehydrated Alfalfa Meal, Soybean Oil, Dried Whey, Calcium Carbonate, Salt, DL-Methionine, Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), Choline Chloride, Pyridoxine Hydrochloride, Cholecalciferol (Vitamin D3), Vitamin A Acetate, DL-Alpha-Tocopherol Acetate (Vitamin E), Biotin, Folic Acid, Thiamine Mononitrate, Manganous Oxide, Vitamin B12 Supplement, Zinc Oxide, Ferrous Carbonate, Nicotinic Acid, Riboflavin Supplement, Calcium Pantothenate, 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.

For information regarding shelf life please visit www.labdiet.com.

CHEMICAL COMPOSITION¹

Nutrients²

Protein, %	21.0	Chloride, %	0.53
Arginine, %	1.29	Fluorine, ppm	9.2
Cystine, %	0.36	Iron, ppm	184
Glycine, %	0.98	Zinc, ppm	79
Histidine, %	0.53	Manganese, ppm	82
Isoleucine, %	0.87	Copper, ppm	13
Leucine, %	1.58	Cobalt, ppm	0.72
Lysine, %	1.18	Iodine, ppm	0.97
Methionine, %	0.62	Chromium (added), ppm	0.01
Phenylalanine, %	0.92	Selenium, ppm	0.37
Tyrosine, %	0.61		
Threonine, %	0.79		
Tryptophan, %	0.24		
Valine, %	0.97		
Serine, %	1.00		
Aspartic Acid, %	2.23		
Glutamic Acid, %	4.26		
Alanine, %	1.20		
Proline, %	1.32		
Taurine, %	0.03		

Fat (ether extract), % 5.0

Fat (acid hydrolysis), % 6.3

Cholesterol, ppm	135
Linoleic Acid, %	2.32
Linolenic Acid, %	0.28
Arachidonic Acid, %	0.02
Omega-3 Fatty Acids, %	0.42
Total Saturated Fatty Acids, %	0.77
Total Monounsaturated Fatty Acids, %	1.00
Fiber (Crude), % 4.4	
Neutral Detergent Fiber ³ , %	15.5
Acid Detergent Fiber ⁴ , %	5.6

Nitrogen-Free Extract (by difference), % 53.5

Starch, %	28.2
Sucrose, %	2.71
Total Digestible Nutrients, % 75.1	
Gross Energy, kcal/gm 4.11	
Physiological Fuel Value⁵, kcal/gm 3.43	
Metabolizable Energy, kcal/gm 3.02	

Minerals

Ash, % 6.0	
Calcium, %	0.81
Phosphorus, %	0.61
Phosphorus (non-phytate), %	0.33
Potassium, %	1.07
Magnesium, %	0.21
Sulfur, %	0.31
Sodium, %	0.30

Vitamins

Carotene, ppm	1.5
Vitamin K, ppm	3.3
Thiamin, ppm	16
Riboflavin, ppm	8.1
Niacin, ppm	84
Pantothenic Acid, ppm	17
Choline, ppm	1575
Folic Acid, ppm	3.0
Pyridoxine, ppm	9.6
Biotin, ppm	0.30
B ₁₂ , mcg/kg	51
Vitamin A, IU/gm	15
Vitamin D ₃ (added), IU/gm	2.3
Vitamin E, IU/kg	99
Ascorbic Acid, mg/gm	0.00

Calories provided by:

Protein, %	24.495
Fat (ether extract), %	13.122
Carbohydrates, %	62.382

*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, 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.