Certified PicoLab® Rodent Diet 20 5K75

DESCRIPTION

Certified PicoLab® Rodent Diet 20 is formulated with 20% protein diet and 4.5% fat. It is designed 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. Irradiated and 3-ply packaging provide bioburden reduction for animals in a barrier facility. Prior to shipment, a sample of this product is assayed for environmental contaminants.

Features and Benefits

- Managed Formulation delivers Constant Nutrition®
- 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 high energy diet
- Irradiation gives reliable microbial control and eliminates the need for autoclaving
- LabDiet® 5K75 is the Certified equivalent to 5053
- Pre-analysis monitoring, Constant Nutrition® formulation, along with the selection of highest quality ingredients, assures maximum diet control
- Fulfills GLP requirements

Product Forms Available	***Catalog #***
• Oval pellet, (3/8"x5/8"x1"), Irradiated, 30 lb	3005965-220
Other Irradiated Versions Available	***Catalog #***
• 5053: PicoLab® Rodent Diet 20, Pelleted, 30 lb	3005740-220
• 5053: PicoLab® Rodent Diet 20, Meal, 30 lb	3005740-020
• 5R53: PicoLab® Rodent Diet 20 Extruded, 20lb	3002890-712
• 5R53: PicoLab® Rodent Diet 20 Extruded, Meal, 30lb	3005839-020
• 5061: Pico-Vac® Rodent Diet 20, Pelleted, 5 lb vacuum sealed, 6 per box, 30 lb	0006954
• 5LU7: PicoLab® Macro-Pack™ Rodent 20 75G, Pelleted, 15kg	0066400
Non-Irradiated Versions Available	***Catalog #***
• 5L0B: Laboratory Rodent Diet 20, Pelleted, 15 kg	0067097
• 5R53: Rodent Diet 20 Extruded, 15 kg	3002890-748
• 50A3: Autoclavable Rodent 20 Pelleted, 30 lb	3007163-446
• 5RA3: Autoclavable Rodent 20 Extruded, 25 lb	3006933-703

GUARANTEED ANALYSIS

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

INGREDIENTS

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

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

CHEMICAL COMPOSITION[1]

Nutrients[2]

Protein, %	**21.0**
Arginine, %	1.29
Cystine, %	0.36
Glycine, %	0.98
Histidine, %	0.53
Isoleucine, %	0.86
Leucine, %	1.57
Lysine, %	1.18
Methionine, %	0.62
Phenylalanine, %	0.92
Tyrosine, %	0.61
Threonine, %	0.79
Tryptophan, %	0.24
Valine, %	0.97
Serine, %	0.99
Aspartic Acid, %	2.22
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	136
Linoleic Acid, %	2.28
Linolenic Acid, %	0.29
Arachidonic Acid, %	0.02
Omega-3 Fatty Acids, %	0.43
Total Saturated Fatty Acids, %	0.90
Total Monounsaturated Fatty Acids, %	1.00
Fiber (Crude), %	**4.5**
Neutral Detergent Fiber[3], %	15.8
Acid Detergent Fiber[4], %	5.9
Nitrogen-Free Extract (by difference), %	**53.4**
Starch, %	28.0
Sucrose, %	2.70
Total Digestible Nutrients,%	**75.7**
Gross Energy, kcal/gm	**4.11**
Physiological Fuel Value[5], kcal/gm	**3.42**
Metabolizable Energy, kcal/gm	**3.04**

Minerals

Ash, %	**6.0**
Calcium, %	0.81
Phosphorus, %	0.62
Phosphorus (non-phytate), %	0.33
Potassium, %	1.07
Magnesium, %	0.21
Sulfur, %	0.31
Sodium, %	0.30
Chloride, %	0.53
Fluorine, ppm	9.2
Iron, ppm	184
Zinc, ppm	79
Manganese, ppm	82
Copper, ppm	13
Cobalt, ppm	0.72
Iodine, ppm	0.97
Chromium (added), ppm	0.01
Selenium, ppm	0.37

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	15
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	100
Ascorbic Acid, mg/gm	0.00

Calories provided by:

Protein, %	24.531
Fat (ether extract), %	13.142
Carbohydrates, %	62.3

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 carbo- hydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.

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

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www.labdiet.com