Autoclavable Mouse 20 Extruded 5RA8

DESCRIPTION

Autoclavable Mouse 20 Extruded is formulated with 20% protein and 9% fat. It is designed for mouse colonies that may benefit from additional energy to maximize production in post-partum breeding, are exposed to higher stress levels, or many transgenic strains. This diet is fortified with vitamins to compensate for loss during autoclaving and contains silicon dioxide which reduces clumping. 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. LabDiet® 5RA8 is offered as an autoclavable extruded particle; pelleted and/or irradiated/non-irradiated options also available.

Features and Benefits

- Managed Formulation delivers Constant Nutrition®
- High quality animal protein added to create a superior balance of amino acids for optimum performance
- Designed to meet the energy needs of breeding mouse colonies, mice exposed to higher stress levels, and transgenic strains
- Similar formulation to LabDiet® 5058 but fortified with vitamins to account for losses during the autoclave process
- Coated with silicon dioxide to reduce sticking and clumping during autoclaving

Product Forms Available	***Catalog #***
• Extruded Particle, 25 lb	3007162-703
Irradiated Versions Available	***Catalog #***
• 5058: PicoLab® Mouse Diet 20, Pelleted, 30 lb	3005750-220
• 5058: PicoLab® Mouse Diet 20, Meal, 30 lb	3005999-020
• 5R58: PicoLab® Mouse Diet 20 Extruded, 20 lb	3003269-712
• 5062: Pico-Vac® Mouse Diet 20, Pelleted, 5 lb vacuum sealed, 6 per box, 30 lb	0006955
• 5LU9: PicoLab® Macro-Pack™ Mouse 75G, Pelleted, 15 kg	0066402
Non-Irradiated Versions Available	***Catalog #***
• 5020: Mouse Diet 9F, Pellted, 50 lb	0001329
• 50A8: Autoclavable Mouse 20 Pellet, 30 lb	3007164-446

GUARANTEED ANALYSIS

Crude protein not less than	20.00%
Crude fat not less than	9.00%
Crude fiber not more than	4.00%
Moisture not more than	12.00%
Ash not more than	6.50%

INGREDIENTS

Ground Wheat, Ground Corn, Dehulled Soybean Meal, Wheat Germ, Fish Meal, Corn Gluten Meal, Brewers Dried Yeast, Porcine Animal Fat Preserved with BHA and BHT and Citric Acid, Soybean Oil, Calcium Carbonate, Condensed Whey, Salt, Condensed Whey Solubles, Dried Whey Protein Concentrate, DL-Methionine, Mono and Diglycerides of Edible Fats, Pyridoxine Hydrochloride, Choline Chloride, Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), Thiamine Mononitrate, Cholecalciferol (Vitamin D3), Vitamin A Acetate, Silicon Dioxide, Dicalcium Phosphate, Manganous Oxide, DL-Alpha Tocopheryl Acetate (Vitamin E), Zinc Oxide, Folic Acid, Ferrous Carbonate, Calcium Pantothenate, Vitamin B12 Supplement, Nicotinic Acid, Riboflavin Supplement, Copper Sulfate, 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.

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.

NOTE: Do not feed this or any other autoclavable diet prior to autoclaving.

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

CHEMICAL COMPOSITION[1]

Nutrients[2]

Protein, %	**21.8**
Arginine, %	1.24
Cystine, %	0.40
Glycine, %	0.96
Histidine, %	0.52
Isoleucine, %	0.92
Leucine, %	1.82
Lysine, %	1.15
Methionine, %	0.58
Phenylalanine, %	0.99
Tyrosine, %	0.67
Threonine, %	0.81
Tryptophan, %	0.24
Valine, %	1.02
Serine, %	1.04
Aspartic Acid, %	2.09
Glutamic Acid, %	4.59
Alanine, %	1.34
Proline, %	1.52
Taurine, %	0.03
Fat (ether extract), %	**9.0**
Fat (acid hydrolysis), %	**10.2**
Cholesterol, ppm	208
Linoleic Acid, %	2.15
Linolenic Acid, %	0.22
Arachidonic Acid, %	0.03
Omega-3 Fatty Acids, %	0.44
Total Saturated Fatty Acids, %	2.59
Total Monounsaturated Fatty Acids, %	2.83
Fiber (Crude), %	**2.3**
Neutral Detergent Fiber[3], %	10.8
Acid Detergent Fiber[4], %	3.1
Nitrogen-Free Extract (by difference), %	**51.9**
Starch, %	34.7
Sucrose, %	1.02
Total Digestible Nutrients,%	**82.4**
Gross Energy, kcal/gm	**4.63**
Physiological Fuel Value[5], kcal/gm	**3.76**
Metabolizable Energy, kcal/gm	**3.44**

Minerals

Ash, %	**5.0**
Calcium, %	0.81
Phosphorus, %	0.60
Phosphorus (non-phytate), %	0.34
Potassium, %	0.72
Magnesium, %	0.16
Sulfur, %	0.24
Sodium, %	0.26
Chloride, %	0.45
Fluorine, ppm	10
Iron, ppm	170
Zinc, ppm	120
Manganese, ppm	110
Copper, ppm	16
Cobalt, ppm	0.56
Iodine, ppm	1.54
Chromium (added), ppm	0.01
Selenium, ppm	0.33

Vitamins

Carotene, ppm	0.8
Vitamin K, ppm	3.1
Thiamin, ppm	86
Riboflavin, ppm	8.0
Niacin, ppm	93
Pantothenic Acid, ppm	21
Choline, ppm	1740
Folic Acid, ppm	2.9
Pyridoxine, ppm	15
Biotin, ppm	0.30
B_{12}, mcg/kg	51
Vitamin A, IU/gm	30
Vitamin D_3 (added), IU/gm	4.4
Vitamin E, IU/kg	65
Ascorbic Acid, mg/gm	0.00

Calories provided by:

Protein, %	23.211
Fat (ether extract), %	21.560
Carbohydrates, %	55.229

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