

Autoclavable Mouse 20 Pelleted

50A8

DESCRIPTION

Autoclavable Mouse 20 Pelleted 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[®] 50A8 is offered as an autoclavable pellet; extruded 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

- Oval pellet, 3/8" x 5/8" x 1", 30 lb

Catalog

**3007164-446

Irradiated Versions Available

- 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 0006955
- 5 lb vacuum sealed, 6 per box, 30 lb
- 5LU9: PicoLab[®] Macro-Pack[™] Mouse 75G, Pelleted, 15 kg **0066402

Catalog

Non-Irradiated Versions Available

- 5020: Mouse Diet 9F, Pelleted, 50 lb 0001329
- 5RA8: Autoclavable Mouse 20 Extruded, 25 lb **3007162-703

Catalog

** For ordering, contact info@LabDiet.com

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

round Wheat, Ground Corn, Dehulled Soybean Meal, Wheat Germ, Fish Meal, Corn Protein Meal, Brewers Dried Yeast, Porcine Animal Fat Preserved with BHA and Citric Acid, Soybean Oil, Porcine Animal Fat Preserved with BHA and BHT, Dried Whey Protein Concentrate, Calcium Carbonate, Salt, Condensed Whey Solubles, DL-Methionine, Mono and Diglycerides of Edible Fats, Dicalcium Phosphate, Pyridoxine Hydrochloride, Choline Chloride, Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), Thiamine Mononitrate, Cholecalciferol (Vitamin D₃), Vitamin A Acetate, Silicon Dioxide, Manganous Oxide, dl-Alpha Tocopheryl Acetate (Vitamin E), Zinc Oxide, Folic Acid, Ferrous Carbonate, Calcium Pantothenate, Vitamin B12 Supplement, Nicotinic Acid (Niacin), Riboflavin-5-Phosphate, 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 COMPOSITION¹

Nutrients²

Protein, %	21.8	Fluorine, ppm	10
Arginine, %	1.24	Iron, ppm	170
Cystine, %	0.40	Zinc, ppm	120
Glycine, %	0.96	Manganese, ppm	110
Histidine, %	0.52	Copper, ppm	16
Isoleucine, %	0.92	Cobalt, ppm	0.56
Leucine, %	1.82	Iodine, ppm	1.54
Lysine, %	1.15	Chromium (added), ppm	0.01
Methionine, %	0.58	Selenium, ppm	0.33
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 Fiber³, % 10.8

Acid Detergent Fiber⁴, % 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 Value⁵,

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

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

B₁₂, mcg/kg 51

Vitamin A, IU/gm 30

Vitamin D₃ (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 carbohydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.

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

LabDiet
www.labdiet.com