

## DESCRIPTION

PicoLab<sup>®</sup> Mouse Diet 20 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 a complete life cycle diet formulated using managed formulation, delivering Constant Nutrition<sup>®</sup>. This is paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies. Irradiated in 3-ply packaging to provide bioburden reduction for animals in a barrier facility. LabDiet<sup>®</sup> 5058 is offered as an irradiated pellet or meal; extruded and/or non-irradiated/autoclavable options also available.

### Features and Benefits

- [Managed Formulation delivers Constant Nutrition<sup>®</sup>](#)
- 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
- Irradiation gives reliable microbial control and eliminates the need for autoclaving

Product Forms Available	Catalog #
• Oval pellet, (3/8"x5/8"x1"), Irradiated, 30 lb	3005750-220
• Meal (ground pellets), Irradiated, 30 lb	3005999-020
Other Irradiated Versions Available	Catalog #
• 5R58: PicoLab <sup>®</sup> Mouse Diet 20 Extruded, 20 lb	3003269-712
• 5062: Pico-Vac <sup>®</sup> Mouse Diet 20, Pelleted, 5 lb vacuum sealed, 6 per box, 30 lb	0006955
• 5LU9: PicoLab <sup>®</sup> Macro-Pack <sup>™</sup> Mouse 75G, Pelleted, 15 kg	0066402
Non-Irradiated Versions Available	Catalog #
• 5020: Mouse Diet 9F, Pelleted, 50 lb	0001329
• 50A8: Autoclavable Mouse 20 Pelleted, 30 lb	3007164-446
• 5RA8: Autoclavable Mouse 20 Extruded, 25 lb	3007162-703

## 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 Citric Acid and BHT), Soybean Oil, Calcium Carbonate, Condensed Whey, Salt, Condensed Whey Solubles, Dried Whey Protein Concentrate, DL-Methionine, Mono and Diglycerides of Edible Fats, Choline Chloride, Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), Pyridoxine Hydrochloride, Cholecalciferol (Vitamin D3), Vitamin A Acetate, Dicalcium Phosphate, Manganous Oxide, Zinc Oxide, DL-Alpha Tocopheryl Acetate (Vitamin E), Folic Acid, Ferrous Carbonate, Thiamine Mononitrate, Calcium Pantothenate, Vitamin B12 Supplement, Riboflavin Supplement, Copper Sulfate, Nicotinic Acid, 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.

For information regarding shelf life please visit [www.labdiet.com](http://www.labdiet.com).

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

### Nutrients<sup>2</sup>

<b>Protein, %</b> . . . . .	<b>21.8</b>	Fluorine, ppm . . . . .	10
Arginine, % . . . . .	1.23	Iron, ppm . . . . .	170
Cystine, % . . . . .	0.40	Zinc, ppm . . . . .	120
Glycine, % . . . . .	0.97	Manganese, ppm . . . . .	110
Histidine, % . . . . .	0.52	Copper, ppm . . . . .	16
Isoleucine, % . . . . .	0.92	Cobalt, ppm . . . . .	0.56
Leucine, % . . . . .	1.83	Iodine, ppm . . . . .	1.54
Lysine, % . . . . .	1.15	Chromium (added), ppm . . . . .	0.01
Methionine, % . . . . .	0.58	Selenium, ppm . . . . .	0.34
Phenylalanine, % . . . . .	0.99		
Tyrosine, % . . . . .	0.67		
Threonine, % . . . . .	0.81		
Tryptophan, % . . . . .	0.24		
Valine, % . . . . .	1.02		
Serine, % . . . . .	1.05		
Aspartic Acid, % . . . . .	2.11		
Glutamic Acid, % . . . . .	4.64		
Alanine, % . . . . .	1.35		
Proline, % . . . . .	1.54		
Taurine, % . . . . .	0.03		
<b>Fat (ether extract), %</b> . . . . .	<b>9.0</b>		
<b>Fat (acid hydrolysis), %</b> . . . . .	<b>10.2</b>		
Cholesterol, ppm . . . . .	215		
Linoleic Acid, % . . . . .	2.24		
Linolenic Acid, % . . . . .	0.23		
Arachidonic Acid, % . . . . .	0.03		
Omega-3 Fatty Acids, % . . . . .	0.42		
Total Saturated Fatty Acids, %	2.59		
Total Monounsaturated			
Fatty Acids, % . . . . .	2.88		
<b>Fiber (Crude), %</b> . . . . .	<b>2.4</b>		
Neutral Detergent Fiber <sup>3</sup> , % . . . . .	10.8		
Acid Detergent Fiber <sup>4</sup> , % . . . . .	3.1		
Nitrogen-Free Extract			
<b>(by difference), %</b> . . . . .	<b>51.8</b>		
Starch, % . . . . .	35.2		
Sucrose, % . . . . .	1.02		
<b>Total Digestible Nutrients, %</b>	<b>82.9</b>		
<b>Gross Energy, kcal/gm</b> . . . . .	<b>4.63</b>		
<b>Physiological Fuel Value<sup>5</sup>, kcal/gm</b> . . . . .	<b>3.76</b>		
<b>Metabolizable Energy, kcal/gm</b> . . . . .	<b>3.46</b>		

### Vitamins

Carotene, ppm . . . . .	0.8
Vitamin K, ppm . . . . .	3.1
Thiamin, ppm . . . . .	15
Riboflavin, ppm . . . . .	8.0
Niacin, ppm . . . . .	78
Pantothenic Acid, ppm . . . . .	21
Choline, ppm . . . . .	1770
Folic Acid, ppm . . . . .	2.9
Pyridoxine, ppm . . . . .	9.6
Biotin, ppm . . . . .	0.30
B <sub>12</sub> , mcg/kg . . . . .	51
Vitamin A, IU/gm . . . . .	15
Vitamin D <sub>3</sub> (added), IU/gm . . . . .	3.4
Vitamin E, IU/kg . . . . .	57
Ascorbic Acid, mg/gm . . . . .	0.00

### Calories provided by:

Protein, % . . . . .	23.217
Fat (ether extract), % . . . . .	21.566
Carbohydrates, % . . . . .	55.217

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.**

**LabDiet**  
www.labdiet.com