

## DESCRIPTION

PicoVac<sup>®</sup> High Energy Mouse Diet is formulated with 11% fat. It is specifically designed to support reproduction, growth, and maintenance of mice. High Energy Mouse Diet is beneficial in maintaining maximum reproduction for postpartum mating where females are under simultaneous stress of lactation and gestation. 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 and vacuum packed to provide bioburden reduction for animals in a barrier facility.

### 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
- A high-energy diet helps maintain maximum reproduction for postpartum mating
- Can be fed to mice with low feed intake to improve performance
- Irradiation gives reliable microbial control and eliminates the need for autoclaving
- LabDiet<sup>®</sup> 5LP1 is equivalent to 5015 but vacuum packaged in small quantities (2.3kg/5lb) for ease of handling

Product Forms Available	Catalog #
• Oval pellet (3/8" x 5/8" x 1"), Irradiated, 5 lb vacuum sealed, 6 per box (30 lb box)	0055212
Non-Irradiated Versions Available	Catalog #
• 5015: Mouse Diet, 50 lb	0001328
Irradiated Versions Available	Catalog #
• 5LJ5: PicoLab <sup>®</sup> High Energy Mouse Diet, Irradiated, 30 lb	3005992-220

## GUARANTEED ANALYSIS

Crude protein not less than	17.00%
Crude fat not less than	11.00%
Crude fiber not more than	3.00%
Moisture not more than	12.00%
Ash not more than	6.50%

## INGREDIENTS

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

## FEEDING DIRECTIONS

Pico-Vac<sup>®</sup> High Energy Mouse Diet should be fed to breeders and lactating females on a free-choice basis. 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>

<b>Nutrients<sup>2</sup></b>		
<b>Protein, %</b>	<b>19.0</b>	Iron, ppm
Arginine, %	1.16	Zinc, ppm
Cystine, %	0.37	Manganese, ppm
Glycine, %	0.81	Copper, ppm
Histidine, %	0.47	Cobalt, ppm
Isoleucine, %	0.85	Iodine, ppm
Leucine, %	1.43	Chromium (added), ppm
Lysine, %	1.05	Selenium, ppm
Methionine, %	0.61	
Phenylalanine, %	0.87	<b>Vitamins</b>
Tyrosine, %	0.55	Carotene, ppm
Threonine, %	0.72	Vitamin K, ppm
Tryptophan, %	0.24	Thiamin, ppm
Valine, %	0.90	Riboflavin, ppm
Serine, %	1.01	Niacin, ppm
Aspartic Acid, %	2.04	Pantothenic Acid, ppm
Glutamic Acid, %	4.18	Choline, ppm
Alanine, %	1.00	Folic Acid, ppm
Proline, %	1.30	Pyridoxine, ppm
Taurine, %	0.00	Biotin, ppm
<b>Fat (ether extract), %</b>	<b>11.1</b>	B <sub>12</sub> , mcg/kg
<b>Fat (acid hydrolysis), %</b>	<b>12.0</b>	Vitamin A, IU/gm
Cholesterol, ppm	31	Vitamin D <sub>3</sub> (added), IU/gm
Linoleic Acid, %	2.08	Vitamin E, IU/kg
Linolenic Acid, %	0.16	Ascorbic Acid, mg/gm
Arachidonic Acid, %	0.03	
Omega-3 Fatty Acids, %	0.21	<b>Calories provided by:</b>
Total Saturated Fatty Acids, %	3.70	Protein, %
Total Monounsaturated Fatty Acids, %	3.95	Fat (ether extract), %
<b>Fiber (Crude), %</b>	<b>2.3</b>	Carbohydrates, %
Neutral Detergent Fiber <sup>3</sup> , %	10.1	
Acid Detergent Fiber <sup>4</sup> , %	2.9	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.
<b>Nitrogen-Free Extract (by difference), %</b>	<b>51.7</b>	2. Nutrients expressed as percent of ration except where otherwise indicated. Moisture content is assumed to be 10.0% for the purpose of calculations.
Starch, %	33.5	3. NDF = approximately cellulose, hemicellulose and lignin.
Sucrose, %	0.90	4. ADF = approximately cellulose and lignin.
<b>Total Digestible Nutrients, %</b>	<b>85.2</b>	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.
<b>Gross Energy, kcal/gm</b>	<b>4.74</b>	<b>NOTE: When assayed, actual levels may vary from calculated values.</b>
<b>Physiological Fuel Value<sup>5</sup>, kcal/gm</b>	<b>3.83</b>	
<b>Metabolizable Energy, kcal/gm</b>	<b>3.58</b>	
<b>Minerals</b>		
Ash, %	5.8	
Calcium, %	0.80	
Phosphorus, %	0.50	
Phosphorus (non-phytate), %	0.25	
Potassium, %	0.80	
Magnesium, %	0.15	
Sulfur, %	0.25	
Sodium, %	0.43	
Chloride, %	0.70	
Fluorine, ppm	8.4	