

LabDiet® JL Rat and Mouse /Irr 6F 5LG4

DESCRIPTION

LabDiet® JL Rat and Mouse/Irr 6F is a 6% fat, complete life cycle diet formulated to meet the nutritional requirements of rats and mice. The 5LG4 diet is the irradiated version of 5K67 and similar in ingredients and macronutrients to the 5K52, the primary formula used by The Jackson Laboratory. This diet is 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. Irradiation give reliable microbial control and eliminates the need for autoclaving. Irradiation treatment and special 3-ply packaging provide virtually bacteria-free dietary control.

Features and Benefits

- [Managed Formulation delivers Constant Nutrition®](#)
- Meets the nutrient requirements for maintenance, breeding and lactation of rats and mice.
- Irradiated version(s) of 5K67, macronutrient profile similar to 5K52 which is the primary diet used at The Jackson Laboratory.
- Irradiation gives reliable microbial control and eliminates the need for autoclaving.

Product Forms Available

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

Catalog

3005974-220

Other Versions Available

- 5LL4: Pico-Vac® JL Rat and Mouse /Irr 6F, 5 lb vacuum sealed, 6 per box, 30 lb 0051675
- 5K67 JL Rat and Mouse Auto 6F Oval, 25 lb 0006673
- 5KA1: JL Rat and Mouse/Auto/Irr 6F, 30 lb ** 3005967-220

** For ordering, contact info@LabDiet.com

GUARANTEED ANALYSIS

Crude protein not less than	18.00%
Crude fat not less than	6.00%
Crude fiber not more than	5.00%
Moisture not more than	12.00%
Ash not more than	8.00%

INGREDIENTS

Ground Wheat, Ground Corn, Ground Oats, Wheat Middlings, Fish Meal, Dehulled Soybean Meal, Soybean Oil, Dehydrated Alfalfa Meal, Corn Gluten Meal, Dicalcium Phosphate, Brewers Dried Yeast, Calcium Carbonate, Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), Salt, DL-Methionine, Magnesium Oxide, Choline Chloride, Pyridoxine Hydrochloride, Cholecalciferol (Vitamin D3), Thiamine Mononitrate, Manganese Oxide, Ferrous Sulfate, Vitamin A Acetate, Calcium Pantothenate, Calcium Iodate, DL-Alpha Tocopheryl Acetate (Vitamin E), Folic Acid, Vitamin B12 Supplement, Riboflavin-5-Phosphate, Zinc Oxide, Ferrous Carbonate, Nicotinic Acid, Copper Sulfate, Zinc Sulfate, Cobalt Carbonate, Biotin.

FEEDING DIRECTIONS

Feed ad libitum to rodents. Provide plenty of fresh clean water at all times.

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

CHEMICAL COMPOSITION¹

Nutrients²

Protein, %	19.3	Iron, ppm	360
Arginine, %	1.07	Zinc, ppm	82
Cystine, %	0.35	Manganese, ppm	160
Glycine, %	0.95	Copper, ppm	10
Histidine, %	0.45	Cobalt, ppm	0.82
Isoleucine, %	0.77	Iodine, ppm	2.2
Leucine, %	1.53	Chromium (added), ppm	0.01
Lysine, %	0.97	Selenium, ppm	0.40
Methionine, %	0.63		
Phenylalanine, %	0.85		
Tyrosine, %	0.57		
Threonine, %	0.69		
Tryptophan, %	0.22		
Valine, %	0.90		
Serine, %	0.92		
Aspartic Acid, %	1.85		
Glutamic Acid, %	4.21		
Alanine, %	1.18		
Proline, %	1.40		
Taurine, %	0.05		

Vitamins

Carotene, ppm	1.5
Vitamin K, ppm	15
Thiamin, ppm	24
Riboflavin, ppm	9.0
Niacin, ppm	82
Pantothenic Acid, ppm	30
Choline, ppm	1630
Folic Acid, ppm	2.0
Pyridoxine, ppm	10
Biotin, ppm	0.30
B ₁₂ , mcg/kg	51
Vitamin A, IU/gm	8.0
Vitamin D ₃ (added), IU/gm	4.0
Vitamin E, IU/kg	45
Ascorbic Acid, mg/gm	0.00

Fat (ether extract), %

Fat (acid hydrolysis), %

Cholesterol, ppm

Linoleic Acid, %

Linolenic Acid, %

Arachidonic Acid, %

Omega-3 Fatty Acids, %

Total Saturated Fatty Acids, %

Total Monounsaturated

Fatty Acids, %

Fiber (Crude), %

Neutral Detergent Fiber³, %

Acid Detergent Fiber⁴, %

Nitrogen-Free Extract

(by difference), %

Starch, %

Sucrose, %

Total Digestible Nutrients, %

Gross Energy, kcal/gm

Physiological Fuel Value⁵,

kcal/gm

Metabolizable Energy,

kcal/gm

Minerals

Ash, %

Calcium, %

Phosphorus, %

Phosphorus (non-phytate), %

Potassium, %

Magnesium, %

Sulfur, %

Sodium, %

Chloride, %

Fluorine, ppm

Calories provided by:

Protein, %	22.096
Fat (ether extract), %	16.293
Carbohydrates, %	61.611

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.