

# LabDiet® JL Rat and Mouse /Irr 4F 5LG6

## DESCRIPTION

LabDiet® JL Rat and Mouse/Irr 4F is a 4% fat, complete life cycle diet formulated to meet the nutrient requirements of rats and mice. The 5LG6 is similar in ingredients and macronutrients to the 5K54, 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®](#)
- Contains 4% fat and designed for rats and mice.
- Targets similar nutrient composition to 5K54 but irradiated.
- Irradiation gives reliable microbial control and eliminates the need for autoclaving.

Product Forms Available	Catalog #
• Oval pellet, 3/8" x 5/8" x 1" length, 30 lb	3006721-220

## GUARANTEED ANALYSIS

Crude protein not less than	18.00%
Crude fat not less than	4.00%
Crude fiber not more than	5.00%
Moisture not more than	12.00%
Ash not more than	8.00%
Sodium not more than	0.60%

## INGREDIENTS

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

## FEEDING DIRECTIONS

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

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>		Iron, ppm	360
<b>Protein, %</b>	<b>18.5</b>	Zinc, ppm	82
Arginine, %	1.00	Manganese, ppm	160
Cystine, %	0.35	Copper, ppm	10
Glycine, %	0.91	Cobalt, ppm	0.82
Histidine, %	0.43	Iodine, ppm	2.2
Isoleucine, %	0.73	Chromium (added), ppm	0.01
Leucine, %	1.46	Selenium, ppm	0.38
Lysine, %	0.90		
Methionine, %	0.63	<b>Vitamins</b>	
Phenylalanine, %	0.81	Carotene, ppm	1.5
Tyrosine, %	0.53	Vitamin K, ppm	15
Threonine, %	0.65	Thiamin, ppm	24
Tryptophan, %	0.21	Riboflavin, ppm	9.3
Valine, %	0.86	Niacin, ppm	83
Serine, %	0.89	Pantothenic Acid, ppm	31
Aspartic Acid, %	1.73	Choline, ppm	1630
Glutamic Acid, %	4.13	Folic Acid, ppm	2.0
Alanine, %	1.14	Pyridoxine, ppm	10
Proline, %	1.39	Biotin, ppm	0.30
Taurine, %	0.05	B <sub>12</sub> , mcg/kg	86
<b>Fat (ether extract), %</b>	<b>4.6</b>	Vitamin A, IU/gm	10
<b>Fat (acid hydrolysis), %</b>	<b>5.9</b>	Vitamin D <sub>3</sub> (added), IU/gm	4.4
Cholesterol, ppm	248	Vitamin E, IU/kg	46
Linoleic Acid, %	1.93	Ascorbic Acid, mg/gm	0.00
Linolenic Acid, %	0.24		
Arachidonic Acid, %	0.02	<b>Calories provided by:</b>	
Omega-3 Fatty Acids, %	0.50	Protein, %	21.688
Total Saturated Fatty Acids, %	0.92	Fat (ether extract), %	12.142
Total Monounsaturated		Carbohydrates, %	66.171
Fatty Acids, %	1.02		
<b>Fiber (Crude), %</b>	<b>4.0</b>	1. Formulation based on calculated	
Neutral Detergent Fiber <sup>3</sup> , %	15.5	values from the latest ingredient	
Acid Detergent Fiber <sup>4</sup> , %	5.1	analysis information. Since nutrient	
<b>Nitrogen-Free Extract</b>		composition of natural ingredients	
<b>(by difference), %</b>	<b>56.4</b>	varies and some nutrient loss will	
Starch, %	39.1	occur due to manufacturing process-	
Sucrose, %	0.67	es, analysis will differ accordingly.	
<b>Total Digestible Nutrients, %</b>	<b>74.2</b>	2. Nutrients expressed as percent of	
<b>Gross Energy, kcal/gm</b>	<b>4.04</b>	ration except where otherwise indi-	
<b>Physiological Fuel Value<sup>5</sup>,</b>		cated. Moisture content is assumed	
<b>kcal/gm</b>	<b>3.41</b>	to be 10.0% for the purpose of	
<b>Metabolizable Energy,</b>		calculations.	
<b>kcal/gm</b>	<b>3.06</b>	3. NDF = approximately cellulose,	
		hemi-cellulose and lignin.	
<b>Minerals</b>		4. ADF = approximately cellulose	
<b>Ash, %</b>	<b>6.4</b>	and lignin.	
Calcium, %	1.3	5. Physiological Fuel Value	
Phosphorus, %	0.94	(kcal/gm) = Sum of decimal frac-	
Phosphorus (non-phytate), %	0.71	tions of protein, fat and carbo-	
Potassium, %	0.63	hydrate (use Nitrogen Free Extract)	
Magnesium, %	0.22	x 4,9,4 kcal/gm respectively.	
Sulfur, %	0.29	<b>NOTE: When assayed, actual levels</b>	
Sodium, %	0.28	<b>may vary from calculated values.</b>	
Chloride, %	0.49		
Fluorine, ppm	36		