LabDiet® JL Rat and Mouse /Irr 10F 5LG5

DESCRIPTION

LabDiet® JL Rat and Mouse/Irr 10F is a 10% fat diet specifically designed to meet the energy needs of breeding mouse colonies, transgenic strains, and mice exposed to higher stress levels. The 5LG5 is similar in nutrient composition to the 5K20 and is formulated for irradiation. 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. 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®
- Designed to meet the energy needs of breeding mouse colonies, transgenic strains, and mice exposed to higher stress levels.
- 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, 25 lb	0036668

GUARANTEED ANALYSIS

Crude protein not less than	17.00%
Crude fat not less than	10.00%
Crude fiber not more than	5.00%
Ash not more than	9.00%
Moisture not more than	13.00%

INGREDIENTS

Whole Wheat, Ground Corn, Ground Oats, Wheat Middlings, Fish Meal, Soybean Oil, Dehulled Soybean Meal, Dehydrated Alfalfa Meal, Corn Gluten Meal, Porcine Animal Fat Preserved with BHA and Citric Acid, Dicalcium Phosphate, Brewers Dried Yeast, Calcium Carbonate, Salt, DL-Methionine, Choline Chloride, Magnesium Oxide, Pyridoxine Hydrochloride, Cholecalciferol, Menadione Dimethylpyrimidinol Bisulfite (source of Vitamin K), Thiamine Mononitrate, Ferrous Sulfate, Biotin, Vitamin A Acetate, Calcium Pantothenate, Manganous Oxide, Calcium Iodate, DL-Alpha Tocopheryl Acetate (Form of Vitamin E), Folic Acid, Vitamin B-12 Supplement, Riboflavin, Nicotinic Acid, Cobalt Carbonate, Zinc Oxide, Ferrous Carbonate, Copper Sulfate, Zinc Sulfate.

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 COMPOSITION[1]

Nutrients[2]

Protein, %	**18.0**
Arginine, %	1.00
Cystine, %	0.33
Glycine, %	0.89
Histidine, %	0.42
Isoleucine, %	0.72
Leucine, %	1.41
Lysine, %	0.91
Methionine, %	0.65
Phenylalanine, %	0.79
Tyrosine, %	0.53
Threonine, %	0.64
Tryptophan, %	0.21
Valine, %	0.84
Serine, %	0.93
Aspartic Acid, %	1.75
Glutamic Acid, %	4.32
Alanine, %	1.08
Proline, %	1.47
Taurine, %	0.06
Fat (ether extract), %	**11.0**
Fat (acid hydrolysis), %	**11.9**
Cholesterol, ppm	326
Linoleic Acid, %	4.35
Linolenic Acid, %	0.61
Arachidonic Acid, %	0.02
Omega-3 Fatty Acids, %	0.71
Total Saturated Fatty Acids, %	2.39
Total Monounsaturated Fatty Acids, %	2.85
Fiber (Crude), %	**4.1**
Neutral Detergent Fiber[3], %	14.8
Acid Detergent Fiber[4], %	5.3
Nitrogen-Free Extract (by difference), %	**50.5**
Starch, %	35.2
Sucrose, %	0.55
Total Digestible Nutrients,%	**84.3**
Gross Energy, kcal/gm	**4.62**
Physiological Fuel Value[5], kcal/gm	**3.73**
Metabolizable Energy, kcal/gm	**3.54**

Minerals

Ash, %	**6.2**
Calcium, %	1.13
Phosphorus, %	0.93
Phosphorus (non-phytate), %	0.69
Potassium, %	0.62
Magnesium, %	0.21
Sulfur, %	0.29
Sodium, %	0.26
Chloride, %	0.44
Fluorine, ppm	17
Iron, ppm	250
Zinc, ppm	86
Manganese, ppm	150
Copper, ppm	11
Cobalt, ppm	0.80
Iodine, ppm	2.1
Chromium (added), ppm	0.64
Selenium, ppm	0.38

Vitamins

Carotene, ppm	1.5
Vitamin K, ppm	1.3
Thiamin, ppm	24
Riboflavin, ppm	9.0
Niacin, ppm	82
Pantothenic Acid, ppm	30
Choline Chloride, ppm	2000
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

Calories provided by:

Protein, %	19.304
Fat (ether extract), %	26.543
Carbohydrates, %	54.154

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 carbo- hydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.

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

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www.labdiet.com