

DESCRIPTION

LabDiet® JL Mouse Breeder/Auto 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. Used by The Jackson Laboratory, 5K20 is an autoclavable diet with fortified vitamin levels but does not include silicon dioxide to reduce clumping. 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.

Features and Benefits

- [Managed Formulation delivers Constant Nutrition®](#)
- 10% fat meets the energy demands of breeding mouse colonies, transgenic strains, and mice exposed to higher stress levels.
- Specific information on strains fed 5K20 can be obtained from The Jackson Laboratory.
- Fortified with vitamins to account for losses during the autoclave process.
- Is not coated with silicon dioxide.

Product Forms Available

- Cylinder pellet, (3/8" x 3/4"), 25 lb

Catalog

0006654

GUARANTEED ANALYSIS

Crude protein not less than	17.00%
Crude fat not less than	10.00%
Crude fiber not more than	2.50%
Moisture not more than	12.00%
Ash not more than	8.00%
Sodium not more than	0.66%

INGREDIENTS

Ground Wheat, Ground Corn, Dehulled Soybean Meal, Fish Meal, Soybean Oil, Dicalcium Phosphate, Dried Whey, Corn Oil, Salt, Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), Calcium Carbonate, DL-Methionine, Choline Chloride, Pyridoxine Hydrochloride, Thiamine Mononitrate, Vitamin A Acetate, Cholecalciferol (Vitamin D3), Manganous Oxide, Folic Acid, Zinc Oxide, Ferrous Carbonate, DL-Alpha Tocopheryl Acetate (Vitamin E), Calcium Pantothenate, Copper Sulfate, Nicotinic Acid, Vitamin B12 Supplement, Riboflavin-5-Phosphate, Zinc Sulfate, Calcium Iodate, Cobalt Carbonate, Sodium Selenite, 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, %	18.1
Arginine, %	0.97
Cystine, %	0.33
Glycine, %	0.90
Histidine, %	0.42
Isoleucine, %	0.69
Leucine, %	1.35
Lysine, %	0.92
Methionine, %	0.66
Phenylalanine, %	0.80
Tyrosine, %	0.50
Threonine, %	0.62
Tryptophan, %	0.22
Valine, %	0.81
Serine, %	0.83
Aspartic Acid, %	1.67
Glutamic Acid, %	3.75
Alanine, %	1.01
Proline, %	1.29
Taurine, %	0.04
Fat (ether extract), %	11.3
Fat (acid hydrolysis), %	12.1
Cholesterol, ppm	240
Linoleic Acid, %	5.74
Linolenic Acid, %	0.70
Arachidonic Acid, %	0.03
Omega-3 Fatty Acids, %	0.95
Total Saturated Fatty Acids, %	1.97
Total Monounsaturated Fatty Acids, %	2.42
Fiber (Crude), %	1.9
Neutral Detergent Fiber ³ , %	10.2
Acid Detergent Fiber ⁴ , %	2.1
Nitrogen-Free Extract (by difference), %	52.8
Starch, %	41.4
Sucrose, %	0.63
Total Digestible Nutrients, %	86.9
Gross Energy, kcal/gm	4.76
Physiological Fuel Value⁵, kcal/gm	3.85
Metabolizable Energy, kcal/gm	3.66

Minerals

Ash, %	5.9
Calcium, %	1.20
Phosphorus, %	0.80
Phosphorus (non-phytate), %	0.65
Potassium, %	0.55
Magnesium, %	0.13
Sulfur, %	0.27
Sodium, %	0.41
Chloride, %	0.69
Fluorine, ppm	33

Iron, ppm	290
Zinc, ppm	140
Manganese, ppm	130
Copper, ppm	26
Cobalt, ppm	0.72
Iodine, ppm	2.0
Chromium (added), ppm	0.01
Selenium, ppm	0.43

Vitamins

Carotene, ppm	0.4
Vitamin K, ppm	21
Thiamin, ppm	85
Riboflavin, ppm	8.1
Niacin, ppm	98
Pantothenic Acid, ppm	22
Choline, ppm	1600
Folic Acid, ppm	3.4
Pyridoxine, ppm	18
Biotin, ppm	0.30
B ₁₂ , mcg/kg	53
Vitamin A, IU/gm	44
Vitamin D ₃ (added), IU/gm	3.5
Vitamin E, IU/kg	66
Ascorbic Acid, mg/gm	0.0

Calories provided by:

Protein, %	18.748
Fat (ether extract), %	26.465
Carbohydrates, %	54.787

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.