

DESCRIPTION

PicoLab[®] Select Rodent Diet 50 IF/6F Diet is a minimum of 18% protein diet, formulated for rat and mouse colonies where dietary isoflavone levels need to be assured and verified for estrogen-sensitive protocols. 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 treatment and special 3-ply packaging provide virtually bacteria-free dietary control.

Features and Benefits

- [Managed Formulation delivers Constant Nutrition[®]](#)
- Formulated with a minimum of 18% protein
- Verified to contain a targeted level of 50 ppm total isoflavones (genistein, daidzein and glycitein)
- Provides proper nutrition for estrogen-sensitive protocols
- Irradiation reduces bio burden and eliminates the need for autoclaving
- Contains no soybean meal, alfalfa, or fish or meat meals.

Product Forms Available

	Catalog #
• Oval pellet, 3/8"x5/8"x1", Irradiated, 30 lb	3005954-220
• Extruded, Irradiated, 25 lb	3002906-703
• Oval Pellet, 3/8"x5/8"x1", 5 lb vacuum sealed, 6 per box, Irradiated, 30 lb	0052904
• Meal (ground pellets), Irradiated, 30 lb	3005954-020

Other Irradiated Versions Available

	Catalog #
• 5V0F: Select Rodent 50 IF/6F, Extruded, Autoclavable, 15 lb	**3002875-742

Reference 5V0F specification sheet for autoclaving instructions

Non-Irradiated Versions Available

	Catalog #
• 5V5R: Select Rodent 50 IF/6F Extruded, 15 kg	3002906-704
• 5V0F: Select Rodent 50 IF/6F, Extruded, Autoclavable, 20 lb	3002875-713

Reference 5V0F specification sheet for autoclaving instructions

** For ordering, contact info@LabDiet.com

GUARANTEED ANALYSIS

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

INGREDIENTS

Ground Wheat, Ground Corn, Corn Gluten Meal, Wheat Middlings, Soybean Oil, Calcium Carbonate, Dicalcium Phosphate, Brewers Dried Yeast, L-Lysine, Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), Salt, Potassium Chloride, Chromium Potassium Sulfate, DL-Methionine, Choline Chloride, L-Tryptophan, Pyridoxine Hydrochloride, Casein, Magnesium Oxide, Cholecalciferol (Vitamin D3), Vitamin A Acetate, Manganese Oxide, DL-Alpha Tocopheryl Acetate (Vitamin E), Preserved with Mixed Tocopherols, Calcium Pantothenate, Folic Acid, Thiamine Mononitrate, Vitamin B12 Supplement, Zinc Oxide, Riboflavin Supplement, Ferrous Carbonate, Nicotinic Acid, Citric Acid (a Preservative), Copper Sulfate, Ferrous Sulfate, Zinc Sulfate, Calcium Iodate, Rosemary Extract, Cobalt Carbonate, Biotin, Sodium Selenite.

FEEDING DIRECTIONS

Feed ad libitum. Plenty of fresh, clean water should be available to the animals at all times.

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

Verified lots have password protected isoflavone levels posted at www.labdiet.com. Contact info@labdiet.com for further information.

CHEMICAL COMPOSITION¹

Nutrients²

Protein, %	19.0	Fluorine, ppm	23
Arginine, %	0.70	Iron, ppm	240
Cystine, %	0.37	Zinc, ppm	110
Glycine, %	0.58	Manganese, ppm	140
Histidine, %	0.39	Copper, ppm	15
Isoleucine, %	0.76	Cobalt, ppm	0.48
Leucine, %	2.32	Iodine, ppm	1.5
Lysine, %	1.16	Chromium (added), ppm	0.97
Methionine, %	0.60	Selenium, ppm	0.32
Phenylalanine, %	1.01		
Tyrosine, %	0.71		
Threonine, %	0.60		
Tryptophan, %	0.26		
Valine, %	0.85		
Serine, %	0.99		
Aspartic Acid, %	1.36		
Glutamic Acid, %	4.81		
Alanine, %	1.44		
Proline, %	2.93		
Taurine, %	0.00		
Fat (ether extract), %	5.9		
Fat (acid hydrolysis), %	7.5		
Cholesterol, ppm	0		
Linoleic Acid, %	3.22		
Linolenic Acid, %	0.39		
Arachidonic Acid, %	0.01		
Omega-3 Fatty Acids, %	0.37		
Total Saturated Fatty Acids, %	0.97		
Total Monounsaturated Fatty Acids, %	1.45		
Fiber (Crude), %	2.4		
Neutral Detergent Fiber ³ , %	12.4		
Acid Detergent Fiber ⁴ , %	3.7		
Nitrogen-Free Extract (by difference), %	57.6		
Starch, %	43.9		
Sucrose, %	0.32		
Total Digestible Nutrients, %	79.6		
Gross Energy, kcal/gm	4.30		
Physiological Fuel Value ⁵ , kcal/gm	3.60		
Metabolizable Energy, kcal/gm	3.42		

Vitamins

Carotene, ppm	2.5
Vitamin K, ppm	15
Thiamin, ppm	19
Riboflavin, ppm	14
Niacin, ppm	120
Pantothenic Acid, ppm	32
Choline, ppm	2000
Folic Acid, ppm	3.6
Pyridoxine, ppm	16
Biotin, ppm	0.40
B ₁₂ , mcg/kg	79
Vitamin A, IU/gm	18
Vitamin D ₃ (added), IU/gm	2.3
Vitamin E, IU/kg	100
Ascorbic Acid, mg/gm	0.00

Calories provided by:

Protein, %	21.114
Fat (ether extract), %	14.849
Carbohydrates, %	64.037

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 carbohydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.

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