

DESCRIPTION

Verified 75 IF/Auto Ext Mod Diet is a 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.

Features and Benefits

- [Managed Formulation delivers Constant Nutrition®](#)
- Formulated with a minimum of 18% protein
- Verified to contain a targeted level of 75 ppm total isoflavones (genistein, daidzein and glycitein)
- Provides proper nutrition for estrogen-sensitive protocols
- Fortified with vitamins to account for losses during the autoclave process.
- Contains no alfalfa, or fish or meat meals.

Product Forms Available

- Extruded, 25 lb Catalog # 3004624-703
- When autoclaving, the diet should be removed from the packaging and placed into smaller bags intended for autoclaving.*

Irradiated Versions Available

- 5V75: PicoLab® Verified 75 IF, 30 lb Catalog # 3005952-220
 - 5V75: Pico-Vac® Verified 75 IF, 5 lb vacuum sealed, 6 per box, 30 lb **0047645
 - 5V75: PicoLab® Verified 75 IF, Meal (ground pellets), 30 lb 3005952-020
 - 5V12: Pico-Vac® Verified 75 IF EXT Diet, 20 lb **3002923-712
- ** For ordering, contact info@LabDiet.com**

GUARANTEED ANALYSIS

Crude protein not less than	20.00%
Crude fat not less than	5.00%
Crude fiber not more than	4.00%
Moisture not more than	12.00%
Ash not more than	8.00%

INGREDIENTS

Ground Wheat, Ground Corn, Wheat Middlings, Corn Gluten Meal, Cane Molasses, Wheat Germ, Dried Plain Beet Pulp, Soybean Oil, Dehulled Soybean Meal, Calcium Carbonate, Dicalcium Phosphate, L-Lysine, Salt, Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), DL-Methionine, Choline Chloride, Pyridoxine Hydrochloride, L-Tryptophan, Thiamine Mononitrate, Chromium Potassium Sulfate, Potassium Chloride, Vitamin A Acetate, Cholecalciferol (Vitamin D3), Magnesium Oxide, DL-Alpha Tocopheryl Acetate (Vitamin E), Vitamin B12 Supplement, Preserved with Mixed Tocopherols, Manganous Oxide, Calcium Pantothenate, Folic Acid, Zinc Oxide, Ferrous Carbonate, Citric Acid (a Preservative), Nicotinic Acid, Riboflavin Supplement, 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, %	20.2	Fluorine, ppm	16
Arginine, %	0.84	Iron, ppm	240
Cystine, %	0.38	Zinc, ppm	130
Glycine, %	0.63	Manganese, ppm	130
Histidine, %	0.43	Copper, ppm	17
Isoleucine, %	0.82	Cobalt, ppm	0.63
Leucine, %	2.34	Iodine, ppm	1.5
Lysine, %	1.00	Chromium (added), ppm	0.22
Methionine, %	0.60	Selenium, ppm	0.38
Phenylalanine, %	1.05		
Tyrosine, %	0.74		
Threonine, %	0.65		
Tryptophan, %	0.24		
Valine, %	0.91		
Serine, %	0.97		
Aspartic Acid, %	1.40		
Glutamic Acid, %	4.63		
Alanine, %	1.38		
Proline, %	1.81		
Taurine, %	0.00		

Fat (ether extract), %	5.0		
Fat (acid hydrolysis), %	6.7		
Cholesterol, ppm	0		
Linoleic Acid, %	2.44		
Linolenic Acid, %	0.30		
Arachidonic Acid, %	0.00		
Omega-3 Fatty Acids, %	0.30		
Total Saturated Fatty Acids, %	0.79		
Total Monounsaturated Fatty Acids, %	1.16		
Fiber (Crude), %	3.7		
Neutral Detergent Fiber ³ , %	15.9		
Acid Detergent Fiber ⁴ , %	5.4		
Nitrogen-Free Extract (by difference), %	55.6		
Starch, %	34.7		
Sucrose, %	1.69		
Total Digestible Nutrients, %	78.1		
Gross Energy, kcal/gm	4.16		
Physiological Fuel Value⁵, kcal/gm	3.48		
Metabolizable Energy, kcal/gm	3.27		

Vitamins			
Carotene, ppm	2.4		
Vitamin K, ppm	8.6		
Thiamin, ppm	70		
Riboflavin, ppm	8.0		
Niacin, ppm	120		
Pantothenic Acid, ppm	28		
Choline, ppm	1900		
Folic Acid, ppm	3.0		
Pyridoxine, ppm	17		
Biotin, ppm	0.40		
B ₁₂ , mcg/kg	110		
Vitamin A, IU/gm	28		
Vitamin D ₃ (added), IU/gm	2.8		
Vitamin E, IU/kg	95		
Ascorbic Acid, mg/gm	0.00		

Calories provided by:

Protein, %	23.213
Fat (ether extract), %	12.928
Carbohydrates, %	63.859

*Product Code

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.