

## DESCRIPTION

Pico-Vac® Verified 75 IF EXT Irradiated is a formulation providing 20% protein for mice and rats in protocols 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 20% protein
- Verified to contain a targeted level of 75 ppm of total isoflavones (genistein, daidzein and glycitein)
- Provides proper nutrition for estrogen-sensitive protocols
- Irradiation gives reliable microbial control and eliminates the need for autoclaving
- Contains less than 2% soybean meal.
- Contains no alfalfa, fish or meat meals.

### Product Forms Available

- Extruded, Irradiated, 20 lb

**Catalog #**  
\*\*3002923-712

### Other Irradiated Versions Available

- 5V75: PicoLab® Verified 75 IF, Pelleted, 30 lb 3005952-220
- 5V75: Pico-Vac® Verified 75 IF, Pelleted 5 lb vacuum sealed, 6 per box, 30 lb \*\*0047645
- 5V75: PicoLab® Verified 75 IF, Meal (ground pellets), 30 lb 3005952-020

**Catalog #**

### Non-Irradiated Versions Available

- 5V0T: Verified 75 IF/Auto EXT MOD Diet, Extruded, Autoclavable, 25 lb 3004624-703

**Catalog #**

\*\* For ordering, contact [info@LabDiet.com](mailto:info@LabDiet.com)

## GUARANTEED ANALYSIS

Crude protein not less than	20.00%
Crude fat not less than	4.50%
Crude fiber not more than	4.00%
Moisture not more than	12.00%
Ash not more than	8.00%

## INGREDIENTS

Ground Wheat, Wheat Middlings, Corn Gluten Meal, Ground Corn, Wheat Germ, Cane Molasses, Dried Plain Beet Pulp, Soybean Oil, Calcium Carbonate, Dicalcium Phosphate, L-Lysine, Dehulled Soybean Meal, Salt, DL-Methionine, Choline Chloride, Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), L-Tryptophan, Pyridoxine Hydrochloride, Chromium Potassium Sulfate, Potassium Chloride, Cholecalciferol (Vitamin D3), Vitamin A Acetate, Magnesium Oxide, Preserved with Mixed Tocopherols, Manganous Oxide, Rosemary Extract, Zinc Oxide, DL-Alpha-Tocopherol Acetate (Vitamin E), Folic Acid, Ferrous Carbonate, Citric Acid (a Preservative), Thiamine Mononitrate, Vitamin B12 Supplement, Calcium Pantothenate, Nicotinic Acid, Riboflavin Supplement, Copper Sulfate, Ferrous Sulfate, Zinc Sulfate, Calcium Iodate, 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](http://www.labdiet.com).

Verified lots have password protected isoflavone levels posted at [www.labdiet.com](http://www.labdiet.com). Contact [info@labdiet.com](mailto:info@labdiet.com) for further information.

## CHEMICAL COMPOSITION<sup>1</sup>

### Nutrients<sup>2</sup>

Protein, %	20.2	Fluorine, ppm	13
Arginine, %	0.84	Iron, ppm	230
Cystine, %	0.38	Zinc, ppm	130
Glycine, %	0.63	Manganese, ppm	140
Histidine, %	0.42	Copper, ppm	17
Isoleucine, %	0.81	Cobalt, ppm	0.63
Leucine, %	2.27	Iodine, ppm	1.5
Lysine, %	1.00	Chromium (added), ppm	0.22
Methionine, %	0.60	Selenium, ppm	0.38
Phenylalanine, %	1.04		
Tyrosine, %	0.73		
Threonine, %	0.64		
Tryptophan, %	0.24		
Valine, %	0.90		
Serine, %	0.94		
Aspartic Acid, %	1.31		
Glutamic Acid, %	4.58		
Alanine, %	1.31		
Proline, %	1.77		
Taurine, %	0.00		

### Vitamins

Carotene, ppm	2.3
Vitamin K, ppm	4.0
Thiamin, ppm	13
Riboflavin, ppm	7.1
Niacin, ppm	93
Pantothenic Acid, ppm	18
Choline, ppm	1710
Folic Acid, ppm	2.5
Pyridoxine, ppm	10
Biotin, ppm	0.30
B <sub>12</sub> , mcg/kg	51
Vitamin A, IU/gm	15
Vitamin D <sub>3</sub> (added), IU/gm	2.2
Vitamin E, IU/kg	70
Ascorbic Acid, mg/gm	0.00

**Fat (ether extract), %** 5.0

**Fat (acid hydrolysis), %** 6.6

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, % 0.81

Total Monounsaturated

Fatty Acids, % 1.13

**Fiber (Crude), %** 3.9

Neutral Detergent Fiber<sup>3</sup>, % 16.6

Acid Detergent Fiber<sup>4</sup>, % 5.6

### Nitrogen-Free Extract

(by difference), % 55.3

Starch, % 34.1

Sucrose, % 1.58

**Total Digestible Nutrients, %** 78.2

**Gross Energy, kcal/gm** 4.15

**Physiological Fuel Value<sup>5</sup>, kcal/gm** 3.47

**Metabolizable Energy, kcal/gm** 3.27

### Minerals

Ash, % 5.6

Calcium, % 0.90

Phosphorus, % 0.60

Phosphorus (non-phytate), % 0.31

Potassium, % 0.64

Magnesium, % 0.20

Sulfur, % 0.23

Sodium, % 0.23

Chloride, % 0.57

### Calories provided by:

Protein, %	23.287
Fat (ether extract), %	12.969
Carbohydrates, %	63.743

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.**