

## DESCRIPTION

PicoLab<sup>®</sup> Select Mouse Diet 50 IF/9F Diet is a formulation providing a minimum of 18% protein for mouse colonies that require extra levels of energy and 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<sup>®</sup>. 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<sup>®</sup>](#)
- 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

Product Form Available	Catalog #
• Extruded, Irradiated, 25 lb	3002909-703
• Oval pellet, 3/8"x5/8"x1", Irradiated, 30 lb	**3005973-220
• Meal (ground pellets), Irradiated, 30 lb	3005973-020

### Non-Irradiated Versions Available

Non-Irradiated Versions Available	Catalog #
• 5V0G: Select Mouse 50 IF/9F, Extruded, Autoclavable, 25 lb	3002879-703

Reference 5V0G specification sheet for autoclaving instructions

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

## GUARANTEED ANALYSIS

Crude protein not less than	18.00%
Crude fat not less than	8.00%
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, Soybean Oil, Wheat Middlings, 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, Manganous 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. Provide plenty of fresh clean water 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>

<b>Protein, %</b> . . . . .	<b>19.0</b>	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, % . . . . .	0.77	Cobalt, ppm . . . . .	0.47
Leucine, % . . . . .	2.36	Iodine, ppm . . . . .	1.5
Lysine, % . . . . .	1.15	Chromium (added), ppm . . . . .	0.97
Methionine, % . . . . .	0.61	Selenium, ppm . . . . .	0.33
Phenylalanine, % . . . . .	1.02		
Tyrosine, % . . . . .	0.72		
Threonine, % . . . . .	0.61		
Tryptophan, % . . . . .	0.26		
Valine, % . . . . .	0.85		
Serine, % . . . . .	0.98		
Aspartic Acid, % . . . . .	1.36		
Glutamic Acid, % . . . . .	4.75		
Alanine, % . . . . .	1.46		
Proline, % . . . . .	1.92		
Taurine, % . . . . .	0.00		

### Vitamins

Carotene, ppm . . . . .	2.6
Vitamin K, ppm . . . . .	15
Thiamin, ppm . . . . .	18
Riboflavin, ppm . . . . .	14
Niacin, ppm . . . . .	120
Pantothenic Acid, ppm . . . . .	31
Choline, ppm . . . . .	2000
Folic Acid, ppm . . . . .	3.6
Pyridoxine, ppm . . . . .	16
Biotin, ppm . . . . .	0.40
B <sub>12</sub> , mcg/kg . . . . .	79
Vitamin A, IU/gm . . . . .	18
Vitamin D <sub>3</sub> (added), IU/gm . . . . .	2.3
Vitamin E, IU/kg . . . . .	100
Ascorbic Acid, mg/gm . . . . .	0.00

### Fat (ether extract), % . . . . . 9.0

### Fat (acid hydrolysis), % . . . . . 10.6

### Cholesterol, ppm . . . . . 0

### Linoleic Acid, % . . . . . 4.89

### Linolenic Acid, % . . . . . 0.63

### Arachidonic Acid, % . . . . . 0.00

### Omega-3 Fatty Acids, % . . . . . 0.61

### Total Saturated Fatty Acids, % 1.42

### Total Monounsaturated

### Fatty Acids, % . . . . . 2.09

### Fiber (Crude), % . . . . . 2.3

### Neutral Detergent Fiber<sup>3</sup>, % . . . . . 12.0

### Acid Detergent Fiber<sup>4</sup>, % . . . . . 3.7

### Nitrogen-Free Extract

### (by difference), % . . . . . 54.7

### Starch, % . . . . . 41.8

### Sucrose, % . . . . . 0.31

### Total Digestible Nutrients, % 83.7

### Gross Energy, kcal/gm . . . . . 4.59

### Physiological Fuel Value<sup>5</sup>,

### kcal/gm . . . . . 3.76

### Metabolizable Energy,

### kcal/gm . . . . . 3.60

### Minerals

### Ash, % . . . . . 5.0

### Calcium, % . . . . . 0.99

### Phosphorus, % . . . . . 0.54

### Phosphorus (non-phytate), % 0.33

### Potassium, % . . . . . 0.51

### Magnesium, % . . . . . 0.17

### Sulfur, % . . . . . 0.20

### Sodium, % . . . . . 0.22

### Chloride, % . . . . . 0.75

### Calories provided by:

Protein, % . . . . . 20.236

Fat (ether extract), % . . . . . 21.501

Carbohydrates, % . . . . . 58.264

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.**