

# Certified Guinea Pig Diet-Irradiated 50E6\*

## DESCRIPTION

Certified Guinea Pig Diet - Irradiated is a controlled Constant Nutrition® guinea pig diet recommended for life-cycle feeding of laboratory guinea pigs. This diet is formulated using the unique and innovative concept of Constant Nutrition®, paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies. Irradiation and special 4-ply packaging provide a virtually bacteria-free diet. Maximum diet control is achieved by preanalysis monitoring of key nutrients and certain contaminating substances. Diet control helps minimize variables in research studies. A sample of this product will have been assayed prior to shipment.

### Features and Benefits

- Constant Nutrition® formula helps minimize nutritional variables
- Each package is assayed for environmental contaminants prior to shipment
- Preanalysis monitoring assures maximum diet control
- Fulfills GLP requirements

### Product Forms Available

- Pellet, 4 mm x 10 mm (5/32"x3/8")
- Meal (ground pellets), special order

## GUARANTEED ANALYSIS

Crude protein not less than	18.0%
Crude fat not less than	4.0%
Crude fiber not more than	16.0%
Ash not more than	9.0%

## INGREDIENTS

Dehydrated alfalfa meal, dehulled soybean meal, ground soybean hulls, ground corn, wheat middlings, ground oats, cane molasses, porcine animal fat preserved with BHA, dicalcium phosphate, monocalcium phosphate, ground wheat, dried whey, salt, calcium carbonate, magnesium oxide, l-ascorbyl-2-polyphosphate, DL-methionine, choline chloride, menadione dimethylpyrimidinol bisulfite, vitamin A acetate, cholecalciferol, folic acid, pyridoxine hydrochloride, dl-alpha tocopheryl acetate, calcium pantothenate, thiamin mononitrate, nicotinic acid, vitamin B<sub>12</sub> supplement, riboflavin, cobalt carbonate, soybean oil, manganese oxide, zinc oxide, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, sodium selenite.

## FEEDING DIRECTIONS

Certified Guinea Pig Diet should be fed free-choice except when a weight control program is desired. Mature animals will normally consume 1 to 1.5 oz. daily. Feed young growing animals free-choice only. Guinea pigs require vitamin C (ascorbic acid) in their daily diet. A lack of this vitamin results in scurvy. Stability of vitamin C varies with environmental conditions. Hot and humid weather conditions accelerate the loss of this nutrient from the product. For best results, store in cool, dry conditions and feed within 180 days of date of manufacture. Beyond 180 days, the product will be nutritionally adequate, if in good condition, providing a supplemental source of vitamin C is given. Provide guinea pigs a continuous supply of clean, fresh water. The practice of using fresh greens to supply water is not recommended since unconsumed materials will mold and spoil.

**Important:** A feeding program is only as effective as the management practices followed.

**Caution:** Store in a dry, well ventilated area free from pests and insects. Do not use moldy or insect-infested feed.

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

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

<b>Protein, %</b>	<b>18.5</b>
Arginine, %	1.08
Cystine, %	0.28
Glycine, %	0.89
Histidine, %	0.45
Isoleucine, %	1.07
Leucine, %	1.52
Lysine, %	1.00
Methionine, %	0.40
Phenylalanine, %	0.91
Tyrosine, %	0.58
Threonine, %	0.73
Tryptophan, %	0.25
Valine, %	0.97
Serine, %	1.01
Aspartic Acid, %	2.37
Glutamic Acid, %	3.52
Alanine, %	1.00
Proline, %	1.30
Taurine, %	<0.01

**Fat (ether extract), %** 4.5

**Fat (acid hydrolysis), %** 5.5

Cholesterol, ppm 47

Linoleic Acid, % 0.99

Linolenic Acid, % 0.05

Arachidonic Acid, % <0.01

Omega-3 Fatty Acids, % 0.05

Total Saturated Fatty Acids, % 1.72

Total Monounsaturated

Fatty Acids, % 1.73

**Fiber (Crude), %** 12.5

Neutral Detergent Fiber<sup>3</sup>, % 24.3

Acid Detergent Fiber<sup>4</sup>, % 15.5

### Nitrogen-Free Extract

**(by difference), %** 46.0

Starch, % 22.2

Glucose, % 0.35

Fructose, % 0.92

Sucrose, % 2.68

Lactose, % 0.46

**Total Digestible Nutrients, %** 67.0

**Gross Energy, kcal/gm** 3.87

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

**kcal/gm** 2.99

**Metabolizable Energy,**

**kcal/gm** 2.60

### Minerals

**Ash, %** 8.5

Calcium, % 1.1

Phosphorus, % 0.60

Phosphorus (non-phytate), % 0.39

Potassium, % 1.25

Magnesium, % 0.35

Sodium, % 0.35

Chlorine, % 0.60

Fluorine, ppm 22

Iron, ppm 340

Zinc, ppm 70

Manganese, ppm 76

Copper, ppm 12

Cobalt, ppm 3.0

Iodine, ppm 1.0

Chromium, ppm 1.9

Selenium, ppm 0.24

### Vitamins

Carotene, ppm 36

Vitamin K (as menadione), ppm 2.9

Thiamin Hydrochloride, ppm 8.5

Riboflavin, ppm 6.0

Niacin, ppm 65

Pantothenic Acid, ppm 19

Choline Chloride, ppm 1850

Folic Acid, ppm 3.3

Pyridoxine, ppm 4.0

Biotin, ppm 0.30

B<sub>12</sub>, mcg/kg 13

Vitamin A, IU/gm 30

Vitamin D<sub>3</sub> (added), IU/gm 3.4

Vitamin E, IU/kg 50

Ascorbic Acid, mg/gm 1.0

### Calories provided by:

Protein, % 24.790

Fat (ether extract), % 13.568

Carbohydrates, % 61.642

### \*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, 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.