

DESCRIPTION

PicoLab[®] Rodent Diet 20 is a 20% protein diet formulated for rat, hamster and mouse breeding colonies. 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 gives reliable microbial control and eliminates the need for autoclaving. Irradiation treatment and special 3-ply packaging provide virtually bacteria-free dietary control.

Features and Benefits

- Constant Nutrition[®] formula helps minimize nutritional variables
- Formulated with 20% protein
- High quality animal protein added to create a superior balance of amino acids for optimum performance
- Recommended for rat breeding colonies and mice not requiring a higher energy diet
- Precision processing and selection of highest quality ingredients assures Constant Nutrition[®] quality
- Irradiation gives reliable microbial control and eliminates the need for autoclaving

Product Forms Available

- Oval pellet, 10 mm x 16 mm x 25 mm length (3/8"x5/8"x1")
- Meal (ground pellets), special order

Other Versions Available

- 5061 Pico-Vac[®] Lab Rodent Diet

GUARANTEED ANALYSIS

Crude protein not less than	20.0%
Crude fat not less than	4.5%
Crude fiber not more than	6.0%
Ash not more than	7.0%

INGREDIENTS

Ground corn, dehulled soybean meal, wheat middlings, ground wheat, fish meal, cane molasses, wheat germ, dried beet pulp, brewers dried yeast, dehydrated alfalfa meal, ground oats, soybean oil, dried whey, calcium carbonate, salt, DL-methionine, menadione dimethylpyrimidinol bisulfite (vitamin K), choline chloride, pyridoxine hydrochloride, cholecalciferol, vitamin A acetate, dl-alpha tocopheryl acetate, biotin, thiamin mononitrate, folic acid, vitamin B₁₂ supplement, nicotinic acid, riboflavin, calcium pantothenate, manganous oxide, zinc oxide, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, cobalt carbonate, sodium selenite.

FEEDING DIRECTIONS

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

Rats- All rats will eat varying amounts of feed depending on their genetic origin. Larger strains will eat up to 30 grams per day. Smaller strains will eat up to 15 grams per day. Feeders in rat cages should be designed to hold two to three days supply of feed at one time.

Mice-Adult mice will eat up to 5 grams of pelleted ration daily. Some of the larger strains may eat as much as 8 grams per day per animal. Feed should be available on a free choice basis in wire feeders above the floor of the cage.

Hamsters-Adults will eat up to 14 grams per day.

CHEMICAL COMPOSITION¹

Nutrients²

Protein, %	20.0
Arginine, %	1.22
Cystine, %	0.28
Glycine, %	0.96
Histidine, %	0.50
Isoleucine, %	0.97
Leucine, %	1.56
Lysine, %	1.16
Methionine, %	0.70
Phenylalanine, %	0.90
Tyrosine, %	0.59
Threonine, %	0.77
Tryptophan, %	0.26
Valine, %	1.00
Serine, %	1.03
Aspartic Acid, %	2.19
Glutamic Acid, %	4.34
Alanine, %	1.15
Proline, %	1.47
Taurine, %	0.02

Fat (ether extract), % .5.0

Fat (acid hydrolysis), % .5.6

Cholesterol, ppm	141
Linoleic Acid, %	2.19
Linolenic Acid, %	0.26
Arachidonic Acid, %	<0.01
Omega-3 Fatty Acids, %	0.33
Total Saturated Fatty Acids, %	0.93
Total Monounsaturated Fatty Acids, %	0.99

Fiber (Crude), % .4.7

Neutral Detergent Fiber³, % .16.4

Acid Detergent Fiber⁴, % .6.0

Nitrogen-Free Extract

(by difference), % .52.9

Starch, % .33.9

Glucose, % .0.19

Fructose, % .0.23

Sucrose, % .3.18

Lactose, % .1.34

Total Digestible Nutrients, % .76.2

Gross Energy, kcal/gm .4.07

Physiological Fuel Value⁵,

kcal/gm .3.41

Metabolizable Energy,

kcal/gm .3.07

Minerals

Ash, % .6.1

Calcium, % .0.81

Phosphorus, % .0.63

Phosphorus (non-phytate), % .0.33

Potassium, % .1.07

Magnesium, % .0.22

Sulfur, % .0.34

Sodium, % .0.30

Chlorine, % .0.51

Fluorine, ppm .10

Iron, ppm .220

Zinc, ppm .87

Manganese, ppm .85

Copper, ppm .13

Cobalt, ppm .0.71

Iodine, ppm .0.97

Chromium, ppm .0.81

Selenium, ppm .0.30

Vitamins

Carotene, ppm .1.5

Vitamin K (as menadione), ppm .3.3

Thiamin Hydrochloride, ppm .17

Riboflavin, ppm .8.0

Niacin, ppm .90

Pantothenic Acid, ppm .17

Choline Chloride, ppm .2000

Folic Acid, ppm .3.0

Pyridoxine, ppm .9.6

Biotin, ppm .0.30

B₁₂, mcg/kg .51

Vitamin A, IU/gm .15

Vitamin D₃ (added), IU/gm .2.2

Vitamin E, IU/kg .99

Ascorbic Acid, mg/gm .—

Calories provided by:

Protein, % .24.651

Fat (ether extract), % .13.205

Carbohydrates, % .62.144

*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.