

DESCRIPTION

Pico-Vac® Mouse Diet 20 is a Constant Nutrition™ formulation providing 20% protein for mouse colonies that require extra levels of energy needed for maximum production in post-partum breeding. It is vacuum packed in plastic bags that are irradiated to provide a virtually bacteria-free ration. The vacuum package provides a visual confirmation that the seal on the bag has not been broken. Refer to the Shelf Life section at the end of this book for product longevity information and storage suggestions.

Features and Benefits

- Formulated with 20% protein for mouse breeding colonies
- Irradiated to eliminate the necessity of autoclaving
- Precision processing assures Constant Nutrition™ quality
- Vacuum packaged in small quantities for ease of handling and to provide a visual check for package integrity

Product Forms Available

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

GUARANTEED ANALYSIS

Crude protein not less than	20.0%
Crude fat not less than	9.0%
Crude fiber not more than	4.0%
Ash not more than	6.5%
Added minerals not more than	2.5%

INGREDIENTS

Ground wheat, ground corn, dehulled soybean meal, wheat germ, fish meal, brewers dried yeast, corn gluten meal, porcine animal fat preserved with BHA, soybean oil, calcium carbonate, salt, dicalcium phosphate, monocalcium phosphate, choline chloride, menadione dimethylpyrimidinol bisulfite, DL-methionine, vitamin A acetate, cholecalciferol, pyridoxine hydrochloride, dried whey, folic acid, dl-alpha tocopheryl acetate, biotin, thiamin mononitrate, calcium pantothenate, lecithin, riboflavin, nicotinic acid, casein, cyanocobalamin, manganous oxide, zinc oxide, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, cobalt carbonate, sodium selenite.

FEEDING DIRECTIONS

Feed ad libitum to mice. Plenty of fresh, clean water should be available to the animals at all times. Refer to the "Animal Care and Biological Values" section of this manual for detailed feeding directions.

Mice—Adult mice will eat 4 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.

CHEMICAL COMPOSITION¹

Nutrients²

Protein, %	21.8
Arginine, %	1.15
Cystine, %	0.31
Glycine, %	0.93
Histidine, %	0.50
Isoleucine, %	1.02
Leucine, %	1.82
Lysine, %	1.13
Methionine, %	0.67
Phenylalanine, %	0.97
Tyrosine, %	0.64
Threonine, %	0.79
Tryptophan, %	0.25
Valine, %	1.03
Serine, %	1.07
Aspartic Acid, %	2.13
Glutamic Acid, %	4.47
Alanine, %	1.34
Proline, %	1.54
Taurine, %	0.02
Fat (ether extract), %	9.0
Fat (acid hydrolysis), %	9.1
Cholesterol, ppm	200
Linoleic Acid, %	2.32
Linolenic Acid, %	0.21
Arachidonic Acid, %	0.02
Omega-3 Fatty Acids, %	0.32
Total Saturated Fatty Acids, %	2.72
Total Monounsaturated Fatty Acids, %	2.88
Fiber (Crude), %	2.2
Neutral Detergent Fiber ³ , %	10.8
Acid Detergent Fiber ⁴ , %	3.0
Nitrogen-Free Extract (by difference), %	51.8
Starch, %	39.3
Glucose, %	0.16
Fructose, %	0.16
Sucrose, %	0.71
Lactose, %	0.78
Total Digestible Nutrients, %	85.3
Gross Energy, kcal/gm	4.60
Physiological Fuel Value⁵, kcal/gm	3.75
Metabolizable Energy, kcal/gm	3.56
Minerals	
Ash, %	5.0
Calcium, %	0.81
Phosphorus, %	0.60
Phosphorus (non-phytate), %	0.33
Potassium, %	0.70
Magnesium, %	0.16

Sulfur, %	0.27
Sodium, %	0.25
Chlorine, %	0.42
Fluorine, ppm	12
Iron, ppm	200
Zinc, ppm	120
Manganese, ppm	120
Copper, ppm	17
Cobalt, ppm	0.55
Iodine, ppm	1.5
Chromium, ppm	0.56
Selenium, ppm	0.30

Vitamins

Carotene, ppm	Trace
Vitamin K (as menadione), ppm	3.1
Thiamin Hydrochloride, ppm	15
Riboflavin, ppm	8.0
Niacin, ppm	90
Pantothenic Acid, ppm	21
Choline Chloride, ppm	2200
Folic Acid, ppm	2.9
Pyridoxine, ppm	9.6
Biotin, ppm	0.30
B ₁₂ , mcg/kg	51
Vitamin A, IU/gm	15
Vitamin D ₃ (added), IU/gm	3.3
Vitamin E, IU/kg	57
Ascorbic Acid, mg/gm	—

Calories provided by:

Protein, %	23.189
Fat (ether extract), %	21.635
Carbohydrates, %	55.176

*Product Code

1. Based on the latest ingredient analysis information. Since nutrient composition of natural ingredients varies, 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.