

DESCRIPTION

Formulab Diet is a Constant Nutrition™ formula supplying complete life-cycle nutrition for use in breeding colonies of rats, hamsters and most outbred (non-inbred) mouse strains. The high-energy, high-protein formulation of this diet maximizes reproduction of rats and hamsters and is an excellent life-cycle diet for most rodents.

Features and Benefits

- Similar nutrient concentration to 5001, with higher energy content
- Maximizes reproductive performance of rats and hamsters; supports gestation and lactation simultaneously
- Formulated to feed rats, hamsters and many mouse strains
- Single product inventory
- Available in Irradiated or Non-Irradiated form.

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	.23.0%
Crude fat not less than	.6.5%
Crude fiber not more than	.4.0%
Ash not more than	.8.0%
Added minerals not more than	.2.5%

INGREDIENTS

Ground corn, dehulled soybean meal, ground wheat, fish meal, wheat middlings, porcine animal fat preserved with BHA, cane molasses, brewers dried yeast, porcine meat meal, wheat germ, ground oats, dried beet pulp, dehydrated alfalfa meal, calcium carbonate, dried whey, salt, menadione dimethylpyrimidinol bisulfite, choline chloride, cholecalciferol, vitamin A acetate, pyridoxine hydrochloride, dl-alpha tocopheryl acetate, thiamin mononitrate, folic acid, DL-methionine, nicotinic acid, calcium pantothenate, riboflavin, cyanocobalamin, manganous oxide, zinc oxide, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, cobalt carbonate.

FEEDING DIRECTIONS

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 between 15-30 grams per day. Smaller strains will eat between 12-15 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 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.

Hamsters- Adults will eat 10 to 14 grams per day.

CHEMICAL COMPOSITION¹

Nutrients²	
Protein, %	.23.5
Arginine, %	1.44
Cystine, %	0.35
Glycine, %	1.23
Histidine, %	0.58
Isoleucine, %	1.20
Leucine, %	1.87
Lysine, %	1.40
Methionine, %	0.43
Phenylalanine, %	1.08
Tyrosine, %	0.66
Threonine, %	0.90
Tryptophan, %	0.28
Valine, %	1.19
Serine, %	1.20
Aspartic Acid, %	2.60
Glutamic Acid, %	4.77
Alanine, %	1.39
Proline, %	1.63
Taurine, %	0.02
Fat (ether extract), %	.6.5
Fat (acid hydrolysis), %	.7.5
Cholesterol, ppm	.280
Linoleic Acid, %	1.37
Linolenic Acid, %	0.09
Arachidonic Acid, %	0.01
Omega-3 Fatty Acids, %	0.29
Total Saturated Fatty Acids, %	2.51
Total Monounsaturated Fatty Acids, %	2.32
Fiber (Crude), %	.3.8
Neutral Detergent Fiber ³ , %	11.3
Acid Detergent Fiber ⁴ , %	4.0
Nitrogen-Free Extract (by difference), %	.49.4
Starch, %	34.9
Glucose, %	0.22
Fructose, %	0.24
Sucrose, %	2.57
Lactose, %	0.39
Total Digestible Nutrients, %	.81.2
Gross Energy, kcal/gm	.4.15
Physiological Fuel Value⁵, kcal/gm	.3.50
Metabolizable Energy, kcal/gm	.3.31
Minerals	
Ash, %	.6.8
Calcium, %	1.00
Phosphorus, %	0.65
Phosphorus (non-phytate), %	0.42
Potassium, %	1.10
Magnesium, %	0.20
Sulfur, %	0.24
Sodium, %	0.28
Chlorine, %	0.48
Fluorine, ppm	.19
Iron, ppm	.230
Zinc, ppm	.73
Manganese, ppm	.71
Copper, ppm	.13
Cobalt, ppm	0.4
Iodine, ppm	0.8
Chromium, ppm	1.4
Selenium, ppm	0.23
Vitamins	
Carotene, ppm	4.0
Vitamin K (as menadione), ppm	3.2
Thiamin Hydrochloride, ppm	.16
Riboflavin, ppm	5.0
Niacin, ppm	109
Pantothenic Acid, ppm	15
Choline Chloride, ppm	2000
Folic Acid, ppm	3.0
Pyridoxine, ppm	6.0
Biotin, ppm	0.20
B ₁₂ , mcg/kg	.20
Vitamin A, IU/gm	15
Vitamin D ₃ (added), IU/gm	3.3
Vitamin E, IU/kg	.55
Ascorbic Acid, mg/gm	—
Calories provided by:	
Protein, %	26.849
Fat (ether extract), %	16.710
Carbohydrates, %	56.441
*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.	