

DESCRIPTION

Mouse Diet 9F is a Constant Nutrition™, complete life-cycle diet containing 9% fat. Many mouse strains vary in their nutritional needs depending upon their genetic composition. Mouse Diet 9F 5020 is specially formulated for those strains that require less energy to fulfill their metabolic needs than is provided by Mouse Diet 5015.

Features and Benefits

- High-energy diet that supports post-partum reproduction where females are under stress of lactation and reproduction
- Wide ingredient spectrum
- Economical for breeder colonies
- Constant Nutrition™ content for minimal nutritional variation

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	3.0%
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

Mouse Diet 9F should be fed to breeders and lactating mice on a free-choice basis. Plenty of fresh, clean water should be available to the animals at all times.

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, especially during heavy lactation. Feed should be available on a free choice basis in wire feeders above the floor of the cage.

CHEMICAL COMPOSITION¹

Nutrients²

Protein, %	20.5
Arginine, %	1.13
Cystine, %	0.30
Glycine, %	0.92
Histidine, %	0.46
Isoleucine, %	1.05
Leucine, %	1.58
Lysine, %	1.10
Methionine, %	0.48
Phenylalanine, %	0.90
Tyrosine, %	0.52
Threonine, %	0.77
Tryptophan, %	0.26
Valine, %	1.00
Serine, %	1.09
Aspartic Acid, %	2.02
Glutamic Acid, %	5.11
Alanine, %	1.15
Proline, %	1.60
Taurine, %	0.02

Fat (ether extract), %	9.0
Fat (acid hydrolysis), %	9.2
Cholesterol, ppm	221
Linoleic Acid, %	2.24
Linolenic Acid, %	0.25
Arachidonic Acid, %	0.01
Omega-3 Fatty Acids, %	0.45
Total Saturated Fatty Acids, %	3.24
Total Monounsaturated	
Fatty Acids, %	3.06

Fiber (Crude), %	2.7
Neutral Detergent Fiber ³ , %	9.7
Acid Detergent Fiber ⁴ , %	3.5
Nitrogen-Free Extract	
(by difference), %	53.0
Starch, %	38.5
Glucose, %	0.02
Fructose, %	0.02
Sucrose, %	0.43
Lactose, %	0.77

Total Digestible Nutrients, %	85.0
Gross Energy, kcal/gm	4.30
Physiological Fuel Value⁵, kcal/gm	3.75
Metabolizable Energy, kcal/gm	3.57

Minerals	
Ash, %	4.8
Calcium, %	0.81
Phosphorus, %	0.60
Phosphorus (non-phytate), %	0.36
Potassium, %	0.69
Magnesium, %	0.17

Sulfur, %	0.20
Sodium, %	0.26
Chlorine, %	0.45
Fluorine, ppm	11
Iron, ppm	167
Zinc, ppm	114
Manganese, ppm	118
Copper, ppm	17
Cobalt, ppm	1.6
Iodine, ppm	1.0
Chromium, ppm	1.8
Selenium, ppm	0.33

Vitamins	
Carotene, ppm	<1
Vitamin K (as menadione), ppm	3.1
Thiamin Hydrochloride, ppm	16.0
Riboflavin, ppm	8.0
Niacin, ppm	102
Pantothenic Acid, ppm	21
Choline Chloride, ppm	2200
Folic Acid, ppm	0.9
Pyridoxine, ppm	8.0
Biotin, ppm	0.2
B ₁₂ , mcg/kg	16
Vitamin A, IU/gm	30
Vitamin D ₃ (added), IU/gm	3.3
Vitamin E, IU/kg	66
Ascorbic Acid, mg/gm	—

Calories provided by:

Protein, %	21.867
Fat (ether extract), %	21.600
Carbohydrates, %	56.533

*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.