

Formulab Diet

Formulab Diet, Irradiated

5008*
5008C33*

DESCRIPTION

Formulab Diet is formulated for use in breeding colonies of rats and hamsters and many mouse strains. This diet is a complete life cycle diet formulated using managed formulation, delivering Constant Nutrition®. This is paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies.

Features and Benefits

- [Managed Formulation delivers Constant Nutrition®](#)
- Similar nutrient concentration to 5001, with higher energy content
- Maximizes reproductive performance of rats and hamsters; supports gestation and lactation simultaneously
- High quality animal protein added to create a superior balance of amino acids for optimum performance
- Formulated to feed rats, hamsters and many mouse strains
- Single product inventory
- Available in Irradiated or Non-Irradiated form
- ZDF rats were developed using 5008

Product Forms Available	Catalog #
• Oval pellet, 3/8" x 5/8" x 1", 15 kg	0006522
• Oval pellet, 3/8" x 5/8" x 1", 50 lb	0001325
Irradiated Versions Available	Catalog #
• 5008: Formulab Diet, 30 lb	3005997-220
• 5008: Formulab Diet, Meal, 30 lb	3005997-020

GUARANTEED ANALYSIS

Crude protein not less than	23.00%
Crude fat not less than	6.50%
Crude fiber not more than	4.00%
Moisture not more than	12.00%
Ash not more than	8.00%

INGREDIENTS

Ground Corn, Dehulled Soybean Meal, Ground Wheat, Fish Meal, Wheat Middlings, Porcine Animal Fat Preserved with BHA and Citric Acid, Cane Molasses, Porcine Meat and Bone Meal, Ground Oats, Wheat Germ, Brewers Dried Yeast, Dehydrated Alfalfa Meal, Dried Plain Beet Pulp, Dried Whey, Calcium Carbonate, Salt, Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), Choline Chloride, Cholecalciferol (Vitamin D3), Vitamin A Acetate, DL-Methionine, Pyridoxine Hydrochloride, DL-Alpha Tocopheryl Acetate (Vitamin E), Folic Acid, Thiamine Mononitrate, Manganese Oxide, Zinc Oxide, Ferrous Carbonate, Nicotinic Acid, Calcium Pantothenate, Copper Sulfate, Riboflavin Supplement, Vitamin B12 Supplement, Zinc Sulfate, Calcium Iodate, Cobalt Carbonate.

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.

For information regarding shelf life please visit www.labdiet.com.

CHEMICAL COMPOSITION¹

Nutrients²

Protein, %	23.6	Fluorine, ppm	15
Arginine, %	1.53	Iron, ppm	180
Cystine, %	0.40	Zinc, ppm	78
Glycine, %	1.26	Manganese, ppm	72
Histidine, %	0.60	Copper, ppm	12
Isoleucine, %	0.97	Cobalt, ppm	0.53
Leucine, %	1.80	Iodine, ppm	0.97
Lysine, %	1.38	Chromium (added), ppm	0.01
Methionine, %	0.43	Selenium, ppm	0.37
Phenylalanine, %	1.05		
Tyrosine, %	0.70		
Threonine, %	0.89		
Tryptophan, %	0.27		
Valine, %	1.09		
Serine, %	1.15		
Aspartic Acid, %	2.56		
Glutamic Acid, %	4.84		
Alanine, %	1.38		
Proline, %	1.53		
Taurine, %	0.03		
Fat (ether extract), %	6.5		
Fat (acid hydrolysis), %	7.9		
Cholesterol, ppm	217		
Linoleic Acid, %	1.54		
Linolenic Acid, %	0.12		
Arachidonic Acid, %	0.02		
Omega-3 Fatty Acids, %	0.30		
Total Saturated Fatty Acids, %	1.93		
Total Monounsaturated			
Fatty Acids, %	2.19		
Fiber (Crude), %	3.3		
Neutral Detergent Fiber ³ , %	13.1		
Acid Detergent Fiber ⁴ , %	4.2		
Nitrogen-Free Extract			
(by difference), %	50.3		
Starch, %	29.6		
Sucrose, %	2.66		
Total Digestible Nutrients, %	78.8		
Gross Energy, kcal/gm	4.33		
Physiological Fuel Value⁵,			
kcal/gm	3.54		
Metabolizable Energy,			
kcal/gm	3.19		

Vitamins

Carotene, ppm	0.8
Vitamin K, ppm	3.2
Thiamin, ppm	15
Riboflavin, ppm	5.1
Niacin, ppm	78
Pantothenic Acid, ppm	15
Choline, ppm	1670
Folic Acid, ppm	2.9
Pyridoxine, ppm	6.0
Biotin, ppm	0.20
B ₁₂ , mcg/kg	20
Vitamin A, IU/gm	15
Vitamin D ₃ (added), IU/gm	3.4
Vitamin E, IU/kg	62
Ascorbic Acid, mg/gm	0.0

Calories provided by:

Protein, %	26.644
Fat (ether extract), %	16.512
Carbohydrates, %	56.844

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.

NOTE: When assayed, actual levels may vary from calculated values.

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www.labdiet.com