

# 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. The high energy, high quality protein formulation of this diet maximizes reproduction of rats and hamsters and is an excellent life-cycle diet for most rodents.

#### 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

- Oval pellet, 3/8"x5/8"x1"
 

|  |         |
|--|---------|
| - Non-Irradiated available 50 lb paper sacks | 0001325 |
| - Non-Irradiated available 15 kg paper sacks | 0006522 |
| - Irradiated available in 25 lb paper sacks  | 0037669 |
- 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%  |
| Moisture not more than      | 12.0% |

### INGREDIENTS

Ground corn, dehulled soybean meal, whole 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 beet pulp, whey, calcium carbonate, salt, menadione dimethylpyrimidinol bisulfite (source of vitamin K), choline chloride, cholecalciferol, DL-methionine, vitamin A acetate, pyridoxine hydrochloride, dl-alpha tocopheryl acetate (form of vitamin E), folic acid, thiamine mononitrate, nicotinic acid, calcium pantothenate, riboflavin supplement, vitamin B<sub>12</sub> supplement, 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. For information regarding shelf life please visit [www.labdiet.com](http://www.labdiet.com).

### CHEMICAL COMPOSITION<sup>1</sup>

#### Nutrients<sup>2</sup>

|  |             |
|--|-------------|
| <b>Protein, %</b>                                    | <b>23.6</b> |
| Arginine, %  | .152        |
| Cystine, %   | .040        |
| Glycine, %   | .126        |
| Histidine, %   | .060        |
| Isoleucine, %  | .097        |
| Leucine, %   | .179        |
| Lysine, %  | .136        |
| Methionine, %  | .043        |
| Phenylalanine, %                                     | .105        |
| Tyrosine, %  | .070        |
| Threonine, %   | .089        |
| Tryptophan, %  | .027        |
| Valine, %  | .109        |
| Serine, %  | .115        |
| Aspartic Acid, %                                     | .256        |
| Glutamic Acid, %                                     | .484        |
| Alanine, %   | .137        |
| Proline, %   | .153        |
| Taurine, %   | .003        |
| <b>Fat (ether extract), %</b>                        | <b>6.7</b>  |
| <b>Fat (acid hydrolysis), %</b>                      | <b>8.1</b>  |
| Cholesterol, ppm                                     | .233        |
| Linoleic Acid, %                                     | .139        |
| Linolenic Acid, %                                    | .010        |
| Arachidonic Acid, %                                  | .002        |
| Omega-3 Fatty Acids, %                               | .030        |
| Total Saturated Fatty Acids, %                       | .213        |
| Total Monounsaturated Fatty Acids, %                 | .238        |
| <b>Fiber (Crude), %</b>                              | <b>3.3</b>  |
| Neutral Detergent Fiber <sup>3</sup> , %             | .130        |
| Acid Detergent Fiber <sup>4</sup> , %                | .41         |
| <b>Nitrogen-Free Extract (by difference), %</b>      | <b>50.3</b> |
| Starch, %  | .294        |
| Glucose, %   | .021        |
| Fructose, %  | .023        |
| Sucrose, %   | .279        |
| Lactose, %   | .047        |
| <b>Total Digestible Nutrients, %</b>                 | <b>79.3</b> |
| <b>Gross Energy, kcal/gm</b>                         | <b>4.36</b> |
| <b>Physiological Fuel Value<sup>5</sup>, kcal/gm</b> | <b>3.56</b> |
| <b>Metabolizable Energy, kcal/gm</b>                 | <b>3.23</b> |

#### Minerals

|                             |            |
|-----------------------------|------------|
| <b>Ash, %</b>               | <b>6.1</b> |
| Calcium, %                  | .095       |
| Phosphorus, %               | .070       |
| Phosphorus (non-phytate), % | .041       |
| Potassium, %                | .109       |
| Magnesium, %                | .020       |

|                       |      |
|-----------------------|------|
| Sulfur, %             | .028 |
| Sodium, %             | .028 |
| Chloride, %           | .049 |
| Fluorine, ppm         | .15  |
| Iron, ppm             | .210 |
| Zinc, ppm             | .87  |
| Manganese, ppm        | .75  |
| Copper, ppm           | .14  |
| Cobalt, ppm           | .053 |
| Iodine, ppm           | .097 |
| Chromium (added), ppm | .001 |
| Selenium, ppm         | .037 |

#### Vitamins

|                                       |       |
|---------------------------------------|-------|
| Carotene, ppm                         | .08   |
| Vitamin K, ppm                        | .32   |
| Thiamin Hydrochloride, ppm            | .15   |
| Riboflavin, ppm                       | .51   |
| Niacin, ppm                           | .78   |
| Pantothenic Acid, ppm                 | .15   |
| Choline Chloride, ppm                 | .2000 |
| Folic Acid, ppm                       | .29   |
| Pyridoxine, ppm                       | .60   |
| Biotin, ppm                           | .020  |
| B <sub>12</sub> , mcg/kg              | .20   |
| Vitamin A, IU/gm                      | .15   |
| Vitamin D <sub>3</sub> (added), IU/gm | .34   |
| Vitamin E, IU/kg                      | .62   |
| Ascorbic Acid, mg/gm                  | —     |

#### Calories provided by:

|                        |         |
|------------------------|---------|
| Protein, %             | .26.529 |
| Fat (ether extract), % | .16.970 |
| Carbohydrates, %       | .56.501 |

#### \*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, hemicellulose 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.