

# Laboratory Fiber-Plus® Monkey Diet 5049\*

# Laboratory Fiber-Plus® Monkey Diet Jumbo 5050\*

# Laboratory Fiber-Plus® Monkey Diet Peanut 5LIU\*

## DESCRIPTION

Laboratory Fiber-Plus® Monkey Diet and its companion product, Laboratory Fiber-Plus® Monkey Diet Jumbo, are intermediate protein level diets designed for feeding colonies of primate. This diet is formulated using the unique and innovative concept of Constant Nutrition®, paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies. Its Constant Nutrition® formulation includes vitamin D<sub>3</sub> and stabilized vitamin C. It is available in an extruded form similar to regular Monkey Diet. Extra food fiber is provided from the addition of soybean hulls. Both diets are identical in formulation. Laboratory Fiber-Plus® Monkey Diet Jumbo features a larger size biscuit.

### Features and Benefits

- Constant Nutrition® formula helps minimize nutritional variables
- A high-energy formulation that supports post-partum reproduction
- Highly palatable, readily consumed
- Protein formulated for all Old World species
- Stabilized vitamin C added
- Supplies vitamin D needs of all primates

### Product Forms Available

- Standard biscuit, 16mm x 22mm x 45mm length (5/8"x7/8"x1 3/4")
- Jumbo biscuit, 45mm x 25mm x 25mm length (13/4"x1"x1")
- Peanut biscuit, 50 mm x 25 mm x 31 mm length (2"x1"x1 1/4")
- Meal (ground biscuits), special order

## GUARANTEED ANALYSIS

Crude protein not less than	20.0%
Crude fat not less than	5.0%
Crude fiber not more than	10.0%
Ash not more than	5.5%

## INGREDIENTS

Ground corn, dehulled soybean meal, ground soybean hulls, ground oats, corn gluten meal, ground wheat, porcine animal fat preserved with BHA, dehydrated alfalfa meal, sucrose, dicalcium phosphate, monocalcium phosphate, dried whey, fish meal, calcium carbonate, brewers dried yeast, salt, L-ascorbyl-2-polyphosphate, pyridoxine hydrochloride, menadione dimethylpyrimidinol bisulfite, cholecalciferol, DL-methionine, choline chloride, vitamin A acetate, folic acid, calcium pantothenate, ferrous sulfate, dl-alpha tocopheryl acetate, vitamin B<sub>12</sub> supplement, biotin, thiamin mononitrate, nicotinic acid, riboflavin, zinc oxide, copper sulfate, L-lysine, manganous oxide, ferrous carbonate, zinc sulfate, calcium iodate, cobalt carbonate, sodium selenite.

## FEEDING DIRECTIONS

Primates, like guinea pigs and man, require ascorbic acid in their daily diet. The stability of vitamin C varies with environmental conditions; therefore, Laboratory Fiber-Plus® Monkey Diet animal diet should be fed within 180 days of manufacture. Primates generally consume about 2% to 4% of their body weight in food each day. The daily food allowance should be given in equal portions twice during the day to prevent wastage. If given too much food, monkeys may throw it outside the cage. Fresh, clean water should be available at all times. Laboratory Fiber-Plus® Monkey Diet may be soaked in a fruit juice to soften the product for infants or animals that have difficulty chewing. Fruit juice is recommended because water soaking more rapidly deteriorates vitamin C. The use of fruit, vegetables or other supplements is optional and is not necessary. Product beyond 180 days of age is nutritionally adequate, if in good condition, providing a supplemental source of vitamin C is given. The date of product manufacture is found at the bottom of the back panel of the bag.

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

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

<b>Protein</b> , %	21.3
Arginine, %	1.17
Cystine, %	0.30
Glycine, %	0.85
Histidine, %	0.53
Isoleucine, %	1.08
Leucine, %	1.97
Lysine, %	1.11
Methionine, %	0.44
Phenylalanine, %	1.14
Tyrosine, %	0.82
Threonine, %	0.79
Tryptophan, %	0.27
Valine, %	1.17
Serine, %	1.19
Aspartic Acid, %	2.49
Glutamic Acid, %	4.62
Alanine, %	1.30
Proline, %	1.55
Taurine, %	<0.01
<b>Fat (ether extract)</b> , %	5.0
<b>Fat (acid hydrolysis)</b> , %	6.1
Cholesterol, ppm	67
Linoleic Acid, %	1.50
Linolenic Acid, %	0.12
Arachidonic Acid, %	<0.01
Omega-3 Fatty Acids, %	0.15
Total Saturated Fatty Acids, %	1.60
Total Monounsaturated Fatty Acids, %	1.78
<b>Fiber (Crude)</b> , %	9.5
Neutral Detergent Fiber <sup>3</sup> , %	21.5
Acid Detergent Fiber <sup>4</sup> , %	12.1
<b>Nitrogen-Free Extract (by difference)</b> , %	47.9
Starch, %	32.9
Glucose, %	0.18
Fructose, %	0.22
Sucrose, %	2.46
Lactose, %	0.67
<b>Total Digestible Nutrients</b> , %	77.2
<b>Gross Energy, kcal/gm</b>	3.89
<b>Physiological Fuel Value<sup>5</sup>, kcal/gm</b>	3.21
<b>Metabolizable Energy, kcal/gm</b>	3.02
<b>Minerals</b>	
<b>Ash</b> , %	5.9
Calcium, %	0.91
Phosphorus, %	0.60
Phosphorus (non-phytate), %	0.38
Potassium, %	0.98
Magnesium, %	0.17

Sulfur, %	0.25
Sodium, %	0.22
Chlorine, %	0.36
Fluorine, ppm	25
Iron, ppm	440
Zinc, ppm	130
Manganese, ppm	110
Copper, ppm	21
Cobalt, ppm	0.72
Iodine, ppm	1.5
Chromium, ppm	1.5
Selenium, ppm	0.30

### Vitamins

Carotene, ppm	2.0
Vitamin K (as menadione), ppm	3.2
Thiamin Hydrochloride, ppm	11
Riboflavin, ppm	8.7
Niacin, ppm	100
Pantothenic Acid, ppm	59
Choline Chloride, ppm	1500
Folic Acid, ppm	10
Pyridoxine, ppm	13
Biotin, ppm	0.27
B <sub>12</sub> , mcg/kg	72
Vitamin A, IU/gm	36
Vitamin D <sub>3</sub> (added), IU/gm	6.6
Vitamin E, IU/kg	110
Ascorbic Acid, mg/gm	0.50

### Calories provided by:

Protein, %	26.458
Fat (ether extract), %	13.942
Carbohydrates, %	59.600

### \*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, 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.