Callitrichid High Fiber Diet 5LK7

DESCRIPTION

Callitrichid High Fiber Diet is a fiber-rich diet formulated to promote healthy weight management in marmosets and tamarins in a laboratory setting. This diet is a complete life cycle diet that can be fed as the sole source of nutrients or supplemented with fruits, vegetables and/or other dietary enrichment. It contains vitamin D3 and stabilized vitamin C needed to support captive primates. Provided in powder form, the diet must be mixed with near-boiling water to create a highly palatable, readily consumed gel. The selection of highest quality ingredients assures minimal inherent biological variation in long-term studies.

Features and Benefits

- Available as a convenient powder to form a palatable, soft and moist product when mixed with near-boiling water
- High fiber content promotes healthy weight maintenance of primates, especially those who are more mature, or less active
- Complete life cycle diet meets NRC Non-Human Primate recommendations for minerals and vitamins
- Contains natural, highly available form of vitamin E
- Inclusion of stabilized form of vitamin C allows for long-term storage

Product Forms Available	*Catalog #*
• Powder	0049644

GUARANTEED ANALYSIS

Crude protein not less than	19.00%
Crude fat not less than	6.00%
Crude fiber not more than	6.00%
Moisture not more than	10.00%
Ash not more than	7.00%

INGREDIENTS

Glucose, dehulled soybean meal, ground corn, casein, gelatin, ground beet pulp, corn gluten meal, wheat middlings, fructose, ground aspen, sucrose, calcium carbonate, soybean oil, ground wheat, powdered cellulose, corn oil, apple pomace, dried egg product, sodium hexametaphosphate (DentaGuard), wheat germ, dried whey, citric acid, dicalcium phosphate, berry flavor, brewers dried yeast, flaxseed oil, dehydrated alfalfa meal, wheat bran, xanthan gum, ground flaxseed, potassium carbonate, salt, dlmethionine, potassium chloride, magnesium oxide, choline bitartrate, natural orange oil, taurine, l-lysine, lascorbyl-2-polyphosphate (stabilized vitamin C), l-tryptophan, zinc proteinate, mixed tocopherols (preservative, form of vitamin E; citric acid, rosemary extract), choline chloride, manganese proteinate, menadione sodium bisulfite complex (source of vitamin K), d-alpha tocopheryl acetate (form of vitamin E), calcium pantothenate, manganous oxide, copper proteinate, zinc oxide, niacin, ferrous carbonate, iron proteinate, copper sulfate, folic acid, riboflavin, pyridoxine hydrochloride, thiamin mononitrate, betacarotene, vitamin A acetate, zinc sulfate, cobalt proteinate, calcium iodate, ethylenediamine dihydriodide, sodium selenite, cobalt carbonate, biotin, cholecalciferol (vitamin D3), vitamin B12 supplement.

FEEDING DIRECTIONS

Feed intake will vary based on age, body size and reproductive status. A targeted level of 2.5%-3.0% powder per kg of animal body weight per day is recommended. Never feed dry powder without combining with water; see mixing directions below. Callitrichid High Fiber Diet can be fed in combination with fruit, vegetables, browse or other food items. Callitrichid High Fiber Diet has a 9 month shelf life in the dry powder form when stored in a cool (<72° F), dry (<50% RH) environment. The prepared gel may be stored in a sealed container for 1 week in a refrigerator or 1 month in a freezer.

Mixing Directions

1. Mix, by weight, 60% water to 40% Callitrichid High Fiber Diet. Mix thoroughly with a spoon, fork or whisk for one minute.
2. Pour into a shallow pan and allow to cool. Refrigerate until firm. This should have the consistency of a firm cheesecake.
3. Cut into pieces appropriately sized for the animals being fed.
4. To obtain a drier, firmer mix, combine at a rate of 50% water to 50% Callitrichid High Fiber Diet.

Additional information can be found at www.testdiet.com.

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CHEMICAL COMPOSITION[1]

Nutrients[2]	Dry Powder	Reconstituted[6]
Protein, %	**20.0**	**8.0**
Arginine, %	1.14	0.46
Cystine, %	0.17	0.07
Glycine, %	1.62	0.65
Histidine, %	0.44	0.17
Isoleucine, %	0.95	0.38
Leucine, %	1.66	0.67
Lysine, %	1.20	0.48
Methionine, %	0.53	0.21
Phenylalanine, %	0.88	0.35
Tyrosine, %	0.67	0.27
Threonine, %	0.75	0.30
Tryptophan, %	0.23	0.23
Valine, %	1.13	0.45
Serine, %	0.96	0.38
Aspartic Acid, %	1.42	0.57
Glutamic Acid, %	3.20	1.28
Alanine, %	0.78	0.31
Proline, %	1.23	0.49
Taurine, %	0.06	0.02
Fat (ether extract), %	**6.1**	**2.5**
Fat (acid hydrolysis), %	**5.9**	**2.4**
Cholesterol, ppm	273	109
Linoleic Acid, %	2.28	0.91
Linolenic Acid, %	0.57	0.23
Arachidonic Acid, %	0.01	0.00
Omega-3 Fatty Acids, %	0.58	0.23
Total Saturated Fatty Acids, %	1.25	0.50
Total Monounsaturated Fatty Acids, %	1.66	0.66
Polyunsaturated Fatty Acids, %	2.54	1.02
Fiber (Crude), %	**4.8**	**1.9**
Neutral Detergent Fiber[3], %	9.5	3.8
Acid Detergent Fiber[4], %	5.4	2.2
Nitrogen-Free Extract (by difference), %	**54.6**	**21.8**
Starch, %	11.0	4.40
Glucose, %	32.4	12.96
Fructose, %	1.07	0.43
Sucrose, %	2.51	1.00
Lactose, %	0.68	0.27
Total Digestible Nutrients,%	**41.1**	**16.5**
Gross Energy, kcal/gm	**4.22**	**1.69**
Physiological Fuel Value[5], kcal/gm	**3.53**	**1.41**
Metabolizable Energy, kcal/gm	**2.95**	**1.18**
Minerals		
Ash, %	**4.5**	**1.8**
Calcium, %	1.21	0.49
Phosphorus, %	0.61	0.24
Phosphorus (non-phytate), %	0.48	0.19
Potassium, %	0.59	0.24
Magnesium, %	0.14	0.06
Sulfur, %	0.13	0.05
Sodium, %	0.28	0.11
Chloride, %	0.30	0.12
Fluorine, ppm	4.7	1.9
Iron, ppm	180	71
Zinc, ppm	150	59
Manganese, ppm	120	48
Copper, ppm	25	10
Cobalt, ppm	0.60	0.24
Iodine, ppm	2.2	0.86
Chromium (added), ppm	0.00	0.00
Selenium, ppm	0.19	0.08
Vitamins		
Carotene, ppm	3.2	1.3
Vitamin K, ppm	2.5	1.0
Thiamin, ppm	16	6.2
Riboflavin, ppm	16	6.2
Niacin, ppm	88	35
Pantothenic Acid, ppm	57	23
Choline, ppm	730	290
Folic Acid, ppm	21	8.3
Pyridoxine, ppm	16	6.2
Biotin, ppm	0.40	0.2
B_{12}, mcg/kg	77	31
Vitamin A, IU/gm	18	7.0
Vitamin D_3 (added), IU/gm	6.0	2.4
Vitamin E, IU/kg	170	68
Ascorbic Acid, mg/gm	0.56	0.22

Calories provided by:

Protein, %	22.622
Fat (ether extract), %	15.607
Carbohydrates, %	61.771

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 carbo-hydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.
6. Reconstitution level is 60% water to 40% product.

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

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