

DESCRIPTION

Modification of TestDiet® Baker Amino Acid Semi-Purified Diet 5CC7 with No Added Proline, Alanine, Aspartic Acid, Asparagine, or Glutamic Acid. Used in combination with 5ASU.

Referenced in "Serine starvation induces stress and p53-dependent metabolic remodelling in cancer cells" by Maddocks et al., 2013.

Intended for rodents in a laboratory setting.

CAUTION: Contains a new animal drug for investigational use only in laboratory research animals or for tests in vitro. Not for use in humans.

Storage conditions are particularly critical to TestDiet® products, due to the absence of antioxidants or preservative agents. To provide maximum protection against possible changes during storage, store in a dry, cool location. Storage under refrigeration (2° C) is recommended. Maximum shelf life is six months. (If long term studies are involved, storing the diet at -20° C or colder may prolong shelf life.) Be certain to keep in air tight containers.

Product Forms Available* Catalog #

1/2" Pellet	1814859
1/2" Pellet, Irradiated	1815590

*Other Forms Available On Request

INGREDIENTS (%)

Corn Starch	41.7824
Sucrose	25.9000
Baker AA Px-No ALA/ASP/GLU/PRO	16.0000
Baker Amino Acid Mineral Premix	10.0000
Corn Oil	5.0000
Sodium Bicarbonate	1.0000
Baker Amino Acid Vitamin Premix	0.2000
Choline Chloride	0.1000
Ethoxyquin (a preservative)	0.0136
DL-Alpha Tocopheryl Acetate (Form of Vitamin E)	0.0040

*See page 2 for Expanded Ingredient Listings

FEEDING DIRECTIONS

Feed ad libitum. Plenty of fresh, clean water should be available at all times.

CAUTION:

Perishable - store properly upon receipt.
For laboratory animal use only; NOT for human consumption.

1/6/2023

NUTRITIONAL PROFILE ¹

Protein, %	15.1	Minerals	
Arginine, %	1.10	Calcium, %	1.21
Histidine, %	0.65	Phosphorus, %	0.72
Isoleucine, %	1.07	Potassium, %	0.41
Leucine, %	1.60	Magnesium, %	0.01
Lysine, %	1.47	Sodium, %	0.64
Methionine, %	0.80	Chloride, %	1.33
Cystine, %	0.53	Fluorine, ppm	0.0
Phenylalanine, %	1.07	Iron, ppm	87
Tyrosine, %	0.53	Zinc, ppm	52
Threonine, %	1.04	Manganese, ppm	211
Tryptophan, %	0.27	Copper, ppm	5.0
Valine, %	1.07	Cobalt, ppm	0.3
Alanine, %	0.00	Iodine, ppm	30.58
Aspartic Acid, %	0.00	Chromium (added), ppm	0.0
Glutamic Acid, %	0.00	Molybdenum, ppm	35.69
Glycine, %	1.32	Selenium, ppm	0.46
Proline, %	0.00		
Serine, %	1.33	Vitamins	
Taurine, %	0.00	Vitamin A, IU/g	5.2
		Vitamin D-3 (added), IU/g	0.9
		Vitamin E, IU/kg	25.2
		Vitamin K, ppm	2.00
		Thiamin, ppm	18.4
		Riboflavin, ppm	10.0
		Niacin, ppm	50
		Pantothenic Acid, ppm	28
		Folic Acid, ppm	4.0
		Pyridoxine, ppm	4.9
		Biotin, ppm	0.6
		Vitamin B-12, mcg/kg	38
		Choline Chloride, ppm	700
		Ascorbic Acid, ppm	250.0

Fat, %	5.1	
Cholesterol, ppm	0	
Linoleic Acid, %	2.86	
Linolenic Acid, %	0.05	
Arachidonic Acid, %	0.00	
Omega-3 Fatty Acids, %	0.05	
Total Saturated Fatty A	0.64	
Total Monounsaturated		
Fatty Acids, %	1.21	
Polyunsaturated Fatty Acids, %	2.90	
Fiber (max), %	0.0	

Carbohydrates, %	72.8	
Energy (kcal/g) ²	3.97	
From:	kcal	%
Protein	0.604	15.2
Fat (ether extract)	0.458	11.5
Carbohydrates	2.911	73.3

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. Nutrients expressed as percent of ration on an As-Fed basis except where otherwise indicated.
2. Energy (kcal/gm) - Sum of decimal fractions of protein, fat and carbohydrate x 4,9,4 kcal/gm respectively.

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

TestDiet

www.testdiet.com

EXPANDED INGREDIENT LIST

Baker Amino Acid Vitamin Premix	Sucrose, Ascorbic Acid, Inositol, Nicotinic Acid, Calcium Pantothenate, Thiamine Mononitrate, Riboflavin, Pyridoxine Hydrochloride, Vitamin A Acetate, Folic Acid, Vitamin B12, Menadione Sodium Bisulfite (source of vitamin K), Aminobenzoic Acid, Cholecalciferol, Biotin
Baker Amino Acid Mineral Premix	Corn Starch, Calcium Phosphate, Potassium Phosphate, Sodium Chloride, Calcium Carbonate, Manganese Sulfate, Ferric Citrate, Magnesium Sulfate, Zinc Carbonate, Sodium Molybdate, Boric Acid, Potassium Iodide, Copper Sulfate, Sodium Selenite, Cobalt Sulfate
Baker AA Px-No ALA/ASP/GLU/PRO	L-Lysine Monohydrochloride, L-Leucine, Glycine, L-Serine, L-Glutamine, L-Arginine-HCl, L-Threonine, L-Valine, L-Phenylalanine, L-Isoleucine, L-Histidine HCl-H ₂ O, L-Methionine, L-Cystine, L-Tyrosine, L-Tryptophan