

## DESCRIPTION

Modified TestDiet® Baker AA Diet w/ 8% Fat and 15% Sucrose, 5WA1, with no added serine or glycine. All other amino acids increased proportionally. Dyed green. Used in combination with 5WA1.

Referenced in "Modulating the therapeutic response of tumors to dietary serine and glycine starvation" by Maddocks et al., 2017.

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, Irradiated 1816064-203

\*Other Forms Available On Request  
**INGREDIENTS (%)**

|                                                                |         |
|----------------------------------------------------------------|---------|
| Corn Starch                                                    | 49.7618 |
| Amino Acid Premix w/ No Ser or Gly                             | 16.0000 |
| Sucrose                                                        | 15.0000 |
| Baker Amino Acid Mineral Premix                                | 10.0000 |
| Corn Oil                                                       | 7.8906  |
| Sodium Bicarbonate                                             | 1.0000  |
| Baker Amino Acid Vitamin Premix                                | 0.2000  |
| Choline Chloride                                               | 0.1000  |
| Green (FD&C Blue No. 2, FD&C Blue No. 1 and FD&C Yellow No. 5) | 0.0300  |
| 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 <sup>1</sup>

|                   |             |                           |       |
|-------------------|-------------|---------------------------|-------|
| <b>Protein, %</b> | <b>15.0</b> | <b>Minerals</b>           |       |
| Arginine, %       | 0.94        | Calcium, %                | 1.21  |
| Histidine, %      | 0.56        | Phosphorus, %             | 0.72  |
| Isoleucine, %     | 0.91        | Potassium, %              | 0.41  |
| Leucine, %        | 1.37        | Magnesium, %              | 0.01  |
| Lysine, %         | 1.26        | Sodium, %                 | 0.64  |
| Methionine, %     | 0.69        | Chloride, %               | 1.22  |
| Cystine, %        | 0.46        | Fluorine, ppm             | 0.0   |
| Phenylalanine, %  | 0.91        | Iron, ppm                 | 87    |
| Tyrosine, %       | 0.46        | Zinc, ppm                 | 52    |
| Threonine, %      | 0.89        | Manganese, ppm            | 211   |
| Tryptophan, %     | 0.23        | Copper, ppm               | 5.0   |
| Valine, %         | 0.91        | Cobalt, ppm               | 0.3   |
| Alanine, %        | 1.14        | Iodine, ppm               | 30.58 |
| Aspartic Acid, %  | 1.14        | Chromium (added), ppm     | 0.0   |
| Glutamic Acid, %  | 1.14        | Molybdenum, ppm           | 35.69 |
| Glycine, %        | 0.00        | Selenium, ppm             | 0.46  |
| Proline, %        | 1.14        |                           |       |
| Serine, %         | 0.00        | <b>Vitamins</b>           |       |
| Taurine, %        | 0.00        | Vitamin A, IU/g           | 5.2   |
|                   |             | Vitamin D-3 (added), IU/g | 0.9   |
|                   |             | Vitamin E, IU/kg          | 28.1  |
|                   |             | 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 |

|                                      |            |  |
|--------------------------------------|------------|--|
| <b>Fat, %</b>                        | <b>8.0</b> |  |
| Cholesterol, ppm                     | 0          |  |
| Linoleic Acid, %                     | 4.51       |  |
| Linolenic Acid, %                    | 0.07       |  |
| Arachidonic Acid, %                  | 0.00       |  |
| Omega-3 Fatty Acids, %               | 0.07       |  |
| Total Saturated Fatty A              | 1.00       |  |
| Total Monounsaturated Fatty Acids, % | 1.91       |  |
| Polyunsaturated Fatty Acids, %       | 4.58       |  |
| <b>Fiber (max), %</b>                | <b>0.1</b> |  |

|                                     |             |          |
|-------------------------------------|-------------|----------|
| <b>Carbohydrates, %</b>             | <b>69.9</b> |          |
| <b>Energy (kcal/g) <sup>2</sup></b> | <b>4.11</b> |          |
| <b>From:</b>                        | <b>kcal</b> | <b>%</b> |
| Protein                             | 0.600       | 14.6     |
| Fat (ether extract)                 | 0.720       | 17.5     |
| Carbohydrates                       | 2.794       | 67.9     |

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               |
| Amino Acid Premix w/ No Ser or Gly | L-Lysine Monohydrochloride, L-Leucine, L-Arginine-HCl, L-Alanine, L-Asparagine, Glutamic Acid, L-Glutamine, L-Proline, L-Phenylalanine, L-Valine, L-Threonine, L-Isoleucine, L-Methionine, L-Histidine HCl-H <sub>2</sub> O, L-Tyrosine, L-Cystine, L-Tryptophan             |