

## DESCRIPTION

TestDiet® AIN-76A Purified Diet, Rat or Mouse is identical to AIN-76 except the level of vitamin K added. In AIN-76A Diet, the vitamin K has been increased ten fold to 500 mcg per kilogram of diet. This diet may be modified for deficiency studies. 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	22559
1/2" Pellet, Irradiated	50988
Meal	1814523
Meal, Irradiated	1814524

\*Other Forms Available On Request

## INGREDIENTS (%)

Sucrose	49.9990
Casein - Vitamin Free	20.0000
Corn Starch	15.0000
Powdered Cellulose	5.0000
Corn Oil	5.0000
AIN-76 Mineral Mix	3.5000
AIN-76A Vitamin Mix	1.0000
DL-Methionine	0.3000
Choline Bitartrate	0.2000
Ethoxyquin (a preservative)	0.0010

## FEEDING DIRECTIONS

Feed ad libitum to mice and rats. 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.

8/24/2010

## NUTRITIONAL PROFILE <sup>1</sup>

Protein, %	18.0	Minerals	
Arginine, %	0.70	Calcium, %	0.53
Histidine, %	0.52	Phosphorus, %	0.56
Isoleucine, %	0.96	Potassium, %	0.36
Leucine, %	1.73	Magnesium, %	0.05
Lysine, %	1.45	Sodium, %	0.12
Methionine, %	0.82	Chloride, %	0.21
Cystine, %	0.07	Fluorine, ppm	0.0
Phenylalanine, %	0.96	Iron, ppm	38
Tyrosine, %	1.01	Zinc, ppm	36
Threonine, %	0.77	Manganese, ppm	59
Tryptophan, %	0.22	Copper, ppm	6.0
Valine, %	1.14	Cobalt, ppm	0.0
Alanine, %	0.55	Iodine, ppm	0.21
Aspartic Acid, %	1.29	Chromium, ppm	2.0
Glutamic Acid, %	4.08	Molybdenum, ppm	0.00
Glycine, %	0.39	Selenium, ppm	0.17
Proline, %	2.36		
Serine, %	1.10	<b>Vitamins</b>	
Taurine, %	0.00	Vitamin A, IU/g	4.0

<b>Fat, %</b>	<b>5.0</b>	Vitamin D-3 (added), IU/g	1.0
Cholesterol, ppm	0	Vitamin E, IU/kg	50.0
Linoleic Acid, %	2.86	Vitamin K (as menadione), ppm	0.50
Linolenic Acid, %	0.05	Thiamin Hydrochloride, ppm	6.1
Arachidonic Acid, %	0.00	Riboflavin, ppm	6.7
Omega-3 Fatty Acids, %	0.05	Niacin, ppm	30
Total Saturated Fatty A	0.64	Pantothenic Acid, ppm	16
Total Monounsaturated		Folic Acid, ppm	2.1
Fatty Acids, %	1.21	Pyridoxine, ppm	5.8
Polyunsaturated Fatty Acids, %	2.90	Biotin, ppm	0.2
		Vitamin B-12, mcg/kg	14
<b>Fiber (max), %</b>	<b>5.0</b>	Choline Chloride, ppm	1,000
		Ascorbic Acid, ppm	0.0

**Carbohydrates, % 66.4**

**Energy (kcal/g) <sup>2</sup> 3.83**

From:	kcal	%
Protein	0.719	18.8
Fat (ether extract)	0.453	11.8
Carbohydrates	2.656	69.4

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.

