

DESCRIPTION

TestDiet® AIN-76 Purified Diet, Rat or Mouse is the standard diet recommended by the American Institute of Nutrition for growth and maintenance of rodents during the first year of life. This diet can 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. If long term studies are involved, store the diet at -20° C or colder. Be certain to keep in air tight containers.

Product Forms Available*	Catalog #
Meal, Irradiated	1810543
Meal	7174
1/2" Pellet, Irradiated	1810498
1/2" Pellet	7175

*Other Forms Available By Request

TYPICAL ANALYSIS

Protein.....	18.70%
Fat.....	5.00%
Fiber.....	5.00%
Carbohydrate.....	66.40%
Metabolizable Energy.....	3.85 kcal/gm

INGREDIENTS (%)

Sucrose	50.0000
Casein - Vitamin Free	20.0000
Dextrin	15.0000
Corn Oil	5.0000
Powdered Cellulose	5.0000
AIN-76 Mineral Mix	3.5000
AIN-76 Vitamin Mix	1.0000
DL-Methionine	0.3000
Choline Bitartrate	0.2000

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 experimental use only, NOT for human consumption.

4/25/2006

NUTRITIONAL PROFILE ¹

Protein, %	18.2	Minerals	
Arginine, %	0.70	Calcium, %	0.52
Histidine, %	0.52	Phosphorus, %	0.56
Isoleucine, %	0.96	Phosphorus (available), %	0.56
Leucine, %	1.73	Potassium, %	0.36
Lysine, %	1.45	Magnesium, %	0.05
Methionine, %	0.82	Sodium, %	0.10
Cystine, %	0.07	Chlorine, %	0.16
Phenylalanine, %	0.96	Fluorine, ppm	0.0
Tyrosine, %	1.01	Iron, ppm	41
Threonine, %	0.77	Zinc, ppm	36
Tryptophan, %	0.22	Manganese, ppm	59
Valine, %	1.14	Copper, ppm	6.0
Alanine, %	0.55	Cobalt, ppm	0.0
Aspartic Acid, %	1.29	Iodine, ppm	0.21
Glutamic Acid, %	4.08	Chromium, ppm	2.0
Glycine, %	0.39	Molybdenum, ppm	0.00
Proline, %	2.36	Selenium, ppm	0.11
Serine, %	1.10		
Taurine, %	0.00		

Fat, %	5.0	Vitamins	
Cholesterol, ppm	0	Vitamin A, IU/g	4.0
Linoleic Acid, %	2.86	Vitamin D-3 (added), IU/g	1.0
Linolenic Acid, %	0.05	Vitamin E, IU/kg	50.0
Arachidonic Acid, %	0.00	Vitamin K (as menadione), ppm	0.05
Omega-3 Fatty Acids, %	0.05	Thiamin Hydrochloride, ppm	6.0
Total Saturated Fatty Acids, %	0.64	Riboflavin, ppm	6.0
Total Monounsaturated Fatty Acids, %	1.21	Niacin, ppm	30
		Pantothenic Acid, ppm	15
		Folic Acid, ppm	2.0
		Pyridoxine, ppm	5.8
		Biotin, ppm	0.2
		Vitamin B-12, mcg/kg	10
		Choline Chloride, ppm	1,000
		Ascorbic Acid, ppm	0.0

Fiber (max), % **5.0**

Carbohydrates, % **66.4**

Energy (kcal/g) ² **3.84**

From:	kcal	%
Protein	0.728	19.0
Fat (ether extract)	0.450	11.7
Carbohydrates	2.656	69.2

1. Based on the latest ingredient analysis information. Since nutrient composition of natural ingredients varies, 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.

