

## DESCRIPTION

TestDiet® AIN-93M Maintenance Purified Diet is the maintenance diet for rodents recommended by the American Institute of Nutrition. It is formulated to substitute for the previous version (AIN-76A) to improve animal performance.

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 #
1/2" Pellet	7603
1/2" Pellet, Irradiated	1810541
3/16" Pellet	1812811
Meal	1810540
Meal, Irradiated	1810542

\*Other Forms Available By Request

## TYPICAL ANALYSIS

Protein.....	13.06%
Fat.....	4.0%
Fiber.....	5.0%
Carbohydrate.....	73.8%
Metabolizable Energy.....	3.83

## INGREDIENTS (%)

Corn Starch	46.5692
Dextrin	15.5000
Casein - Vitamin Free	14.0000
Sucrose	10.0000
Powdered Cellulose	5.0000
Soybean Oil	4.0000
AIN 93M Mineral Mix	3.5000
AIN 93 Vitamin Mix	1.0000
Choline Bitartrate	0.2500
L-Cystine	0.1800
t-Butylhydroquinone	0.0008

## FEEDING DIRECTIONS

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

### CAUTION:

Perishable, upon receipt store in a cool dry place, refrigeration recommended.

For laboratory animal experimental use only, NOT for human consumption.

8/12/2010

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

Protein, %	13.0	Minerals	
Arginine, %	0.49	Calcium, %	0.50
Histidine, %	0.36	Phosphorus, %	0.31
Isoleucine, %	0.67	Potassium, %	0.36
Leucine, %	1.21	Magnesium, %	0.05
Lysine, %	1.02	Sodium, %	0.13
Methionine, %	0.36	Chlorine, %	0.20
Cystine, %	0.23	Fluorine, ppm	1.0
Phenylalanine, %	0.67	Iron, ppm	39
Tyrosine, %	0.71	Zinc, ppm	35
Threonine, %	0.54	Manganese, ppm	11
Tryptophan, %	0.15	Copper, ppm	6.0
Valine, %	0.80	Cobalt, ppm	0.0
Alanine, %	0.39	Iodine, ppm	0.21
Aspartic Acid, %	0.90	Chromium, ppm	1.0
Glutamic Acid, %	2.86	Molybdenum, ppm	0.14
Glycine, %	0.27	Selenium, ppm	0.22
Proline, %	1.65		
Serine, %	0.77	<b>Vitamins</b>	
Taurine, %	0.00	Vitamin A, IU/g	4.0

<b>Fat, %</b>	<b>4.1</b>	Vitamin D-3 (added), IU/g	1.0
Cholesterol, ppm	0	Vitamin E, IU/kg	78.8
Linoleic Acid, %	2.04	Vitamin K (as menadione), ppm	0.29
Linolenic Acid, %	0.31	Thiamin Hydrochloride, ppm	6.0
Arachidonic Acid, %	0.00	Riboflavin, ppm	6.5
Omega-3 Fatty Acids, %	0.31	Niacin, ppm	30
Total Saturated Fatty Acids, %	0.60	Pantothenic Acid, ppm	16
Total Monounsaturated Fatty Acids, %	0.88	Folic Acid, ppm	2.1
Polyunsaturated Fatty Acids, %	2.16	Pyridoxine, ppm	5.8
		Biotin, ppm	0.2
<b>Fiber (max), %</b>	<b>5.0</b>	Vitamin B-12, mcg/kg	28
		Choline Chloride, ppm	1,250
		Ascorbic Acid, ppm	0.0

**Carbohydrates, %** **73.0**

**Energy (kcal/g) <sup>2</sup>** **3.77**

From:	kcal	%
Protein	0.518	13.7
Fat (ether extract)	0.368	9.8
Carbohydrates	2.922	77.5

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.

