

AIN 76A rodent diet

ssniff

Low fat control diet according AIN



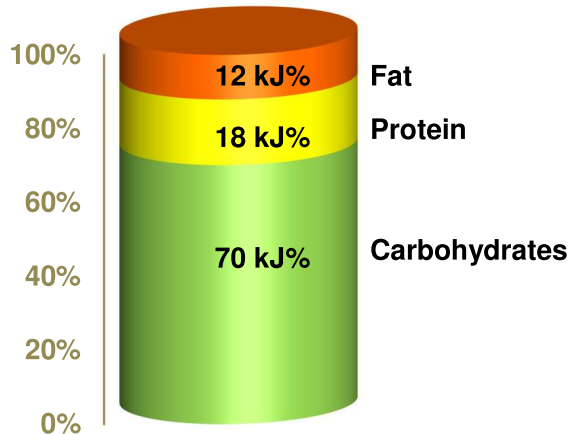
Description

This purified diet corresponds to the diet published by the American Institute of Nutrition (AIN). First, it was thought that this diet is optimum for the entire life cycle of rats and mice. However, after a long time of practical experience some research groups (see Reeves, J Nutr 1997;127: 838S-841S) advised not to use the diet in long-term studies, because it may have adverse effects on animal's health (hepatopathies, nephrocalcinosis etc.). In the 90s two alternative diets (AIN 93G & 93M) have been therefore designed.

The diet is intended for ad libitum feeding. The animals should have free access to fresh water.

Gross Energy (GE) 18.7 MJ/kg
Metabolizable Energy (ME) ¹⁾ 16.0 MJ/kg

¹⁾ = Physiological fuel value (Atwater); correspond to 3,820 kcal/kg



Crude Nutrients	[%]
Crude protein (N x 6.25)	17.6
Crude fat	5.1
Crude fibre	5.0
Crude ash	2.8
Starch	14.4
Sugar	51.0
N free extracts	66.4

Minerals	[%]	Amino acids	[%]	Vitamins	per kg
Calcium	0.54	Lysine	1.47	Vitamin A	4,000 IU
Phosphorus	0.45	Methionine	0.85	Vitamin D ₃	1,000 IU
Ca / P	1.2 : 1	Cystine	0.07	Vitamin E	57 mg
Sodium	0.11	Met+Cys	0.92	Vitamin K (as MNB)	5 mg
Magnesium	0.07	Threonine	0.78	Thiamine (B ₁)	5 mg
Potassium	0.38	Tryptophan	0.23	Riboflavin (B ₂)	5 mg
		Arginine	0.69	Pyridoxine (B ₆)	6 mg
Fatty acids	[%]	Histidine	0.53	Cobalamin (B ₁₂)	10 µg
C 12:0	—	Valine	1.23	Nicotinic acid	29 mg
C 14:0	0.01	Isoleucine	1.00	Pantothenic acid	15 mg
C 16:0	0.58	Leucine	1.75	Folic acid	2 mg
C 17:0	—	Phenylalanine	0.92	Biotin	200 µg
C 18:0	0.10	Phe+Tyr	1.85	Choline	920 mg
C 20:0	0.02	Glycine	0.35		
C 16:1	0.01	Glutamic acid	3.97	Trace elements	per kg
C 18:1	1.32	Aspartic acid	1.31	Iron	46 mg
C 18:2	2.77	Proline	2.02	Manganese	55 mg
C 18:3	0.05	Serine	1.06	Zinc	36 mg
		Alanine	0.53	Copper	7 mg
				Iodine	0.2 mg
				Selenium	0.2 mg

Main products

E15710-00 Meal / Powder
 E15710-04 10 mm pellets
 E15710-047 10 mm pellets, γ-irradiated 25 kGy

Production and Sale

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