



Diet AIN93M

Standard AIN93M Rodent Diet

A semi-pure diet formulation for laboratory rats and mice based on AIN-93M. This formulation meets or exceeds the NRC maintenance guidelines for Rats and Mice. Some modifications have been made to the original formulation to suit locally available raw materials.

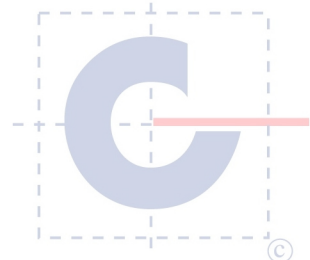
- We have evidence that vitamin losses and other changes to the diet can occur when irradiated at 25K Gy. The diet SF08-020 has been formulated for irradiation. Please contact us for more information if the diet is to be irradiated.

Calculated Nutritional Parameters as Fed	
Protein	12.5%
Total Fat	4.0%
Total digestible carbohydrate as defined by FSA NZ Standard 1.2.8	65.8%
Crude Fibre	4.7%
AD Fibre	4.7%
Net Metabolisable Energy	14.1 MJ / Kg
Digestible Energy	15.1 MJ / Kg
% Total calculated digestible energy from lipids	9.4%
% Total calculated digestible energy from protein	14.0%

Ingredients	
Casein (Acid)	140 g/Kg
Sucrose	100 g/Kg
Canola Oil	40 g/Kg
Cellulose	50 g/Kg
Wheat Starch	472 g/Kg
Dextrinised Starch	155 g/Kg
L Methionine	1.8 g/Kg
Calcium Carbonate	13.1 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Citrate	1.0 g/Kg
Potassium Dihydrogen Phosphate	8.8 g/Kg
Potassium Sulphate	1.6 g/Kg
Choline Chloride (75%)	2.5 g/Kg
AIN93 Vitamins	10 g/Kg

Diet Form and Features

- Semi pure diet. 12 mm diameter pellets.
- Pack size 5 Kg, vacuum packed in oxygen impermeable plastic bags, under nitrogen. Bags are packed into cardboard cartons for protection during transit. Smaller pack quantity on request.
- Diet suitable for irradiation but not suitable for autoclave.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.



Calculated Essential Amino Acids as Fed	
Valine	0.84%
Leucine	1.26%
Isoleucine	0.70%
Threonine	0.56%
Methionine	0.60%
Cysteine	0.08%
Lysine	1.10%
Phenylalanine	0.70%
Tyrosine	0.82%
Tryptophan	0.14%
Arginine	0.42%
Histidine	0.28%

Calculated Total Vitamins as Fed	
Vitamin A (Retinol)	4 000 IU/Kg
Vitamin D (Cholecalciferol)	1 000 IU/Kg
Vitamin E (a Tocopherol acetate)	75 mg/Kg
Vitamin K (Menadione)	1 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	6.1 mg/Kg
Vitamin B2 (Riboflavin)	6.3 mg/Kg
Niacin (Nicotinic acid)	30 mg/Kg
Vitamin B6 (Pryridoxine)	7 mg/Kg
Pantothenic Acid	16.5 mg/Kg
Biotin	200 ug/Kg
Folic Acid	2 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	100 ug/Kg
Choline	2 170 mg/Kg

Calculated Total Minerals as Fed	
Calcium	0.69%
Phosphorous	0.35%
Magnesium	0.06%
Sodium	0.15%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.17%
Iron	49 mg/Kg
Copper	7.0 mg/Kg
Iodine	0.2 mg/Kg
Manganese	16 mg/Kg
Cobalt	No data
Zinc	44 mg/Kg
Molybdenum	0.15 mg/Kg
Selenium	0.3 mg/Kg
Cadmium	No data
Chromium	1.0 mg/Kg
Fluoride	1.0 mg/Kg
Lithium	0.1 mg/Kg
Boron	2.3 mg/Kg
Nickel	0.5 mg/Kg †
Vanadium	0.1 mg/Kg

Calculated Fatty Acid Composition as Fed	
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.17%
Stearic Acid 18:0	0.08%
Palmitoleic Acid 16:1	Trace
Oleic Acid 18:1	2.22%
Gadoleic Acid 20:1	0.04%
Linoleic Acid 18:2 n6	0.86%
a Linolenic Acid 18:3 n3	0.56%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.52%
Total n6	0.80%
Total Mono Unsaturated Fats	2.28%
Total Polyunsaturated Fats	1.42%
Total Saturated Fats	0.28%

Calculated data uses information from typical raw material composition. It could be expected that individual batches of diet will vary from this figure. **Diet post treatment by irradiation or auto clave could change these parameters.** We are happy to provide full calculated nutritional information for all of our products, however we would like to emphasise that these diets have been specifically designed for manufacture by Specialty Feeds.