



Diet SF21-166

Sodium Caseinate Modification AIN93G Rodent Diet

A semi-pure diet formulation for laboratory rats and mice based on AIN-93G. This formulation satisfies the nutritional requirements for growth of rats and mice. Some modifications have been made to the original formulation to suit locally available raw materials.

- Sodium Caseinate replaces (Acid) Casein.
- Mineral inclusion has been adjusted to account for mineral differences in Sodium Caseinate and Casein.
- We have evidence that vitamin losses and other changes to the diet can occur when irradiated at 25 Kgy. Please contact us for more information if the diet is to be irradiated.

Calculated Nutritional Parameters as Fed

Protein	19.4%
Total Fat	7.0%
Total Digestible Carbohydrate as defined by FSANZ Standard 1.2.8	58.9%
Crude Fibre	4.7%
AD Fibre	4.7%
Net Metabolisable Energy	14.5 MJ/Kg
Digestible Energy	16.3 MJ / Kg
% Total calculated digestible energy from lipids	15.7%
% Total calculated digestible energy from protein	20.9%
Ash	4.2%

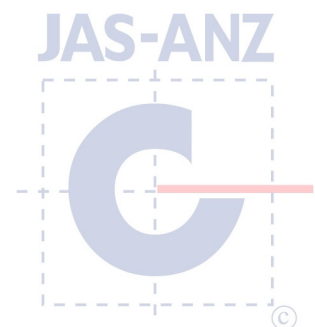
Diet Form and Features

- 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 to protect them 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.

Ingredients	
Sodium Caseinate	200 g/Kg
Sucrose	100 g/Kg
Canola Oil	70 g/Kg
Cellulose	50 g/Kg
Wheat Starch	406 g/Kg
Dextrinised Starch	132 g/Kg
L Methionine	3.0 g/Kg
Calcium Carbonate	13.1 g/Kg
Potassium Chloride	3.4 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Dihydrogen Phosphate	7.4 g/Kg
Potassium Sulphate	1.6 g/Kg
Choline Chloride (75%)	2.5 g/Kg
AIN93 Vitamins	10 g/Kg

Calculated Essential Amino Acids as Fed	
Valine	1.32%
Leucine	1.88%
Isoleucine	1.06%
Threonine	0.86%
Methionine	0.92%
Cysteine	0.12%
Lysine	1.64%
Phenylalanine	1.04%
Tyrosine	1.18%
Tryptophan	0.26%
Arginine	0.78%
Histidine	0.56%

Calculated Total Minerals as Fed	
Calcium	0.69%
Phosphorous	0.35%
Magnesium	0.07%
Sodium	0.26%
Chloride	0.16%
Potassium	0.49%
Sulphur	0.24%
Iron	49 mg/Kg
Copper	7.0 mg/Kg
Iodine	0.2 mg/Kg
Manganese	16 mg/Kg
Cobalt	No data
Zinc	48 mg/Kg
Molybdenum	0.15 mg/Kg
Selenium	0.2 mg/Kg
Cadmium	No data
Chromium	1.0 mg/Kg
Fluoride	1.0 mg/Kg
Lithium	0.1 mg/Kg
Boron	2.1 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg



Calculated Total Vitamins as Fed		Calculated Fatty Acid Composition as Fed	
Vitamin A (Retinol)	4 000 IU/Kg	Myristic Acid 14:0	Trace
Vitamin D (Cholecalciferol)	1 000 IU/Kg	Palmitic Acid 16:0	0.30%
Vitamin E (a Tocopherol acetate)	78 mg/Kg	Stearic Acid 18:0	0.14%
Vitamin K (Menadione)	1 mg/Kg	Palmitoleic Acid 16:1	0.02%
Vitamin C (Ascorbic acid)	None added	Oleic Acid 18:1	3.89%
Vitamin B1 (Thiamine)	6.0 mg/Kg	Gadoleic Acid 20:1	0.07%
Vitamin B2 (Riboflavin)	6.4 mg/Kg	Linoleic Acid 18:2 n6	1.51%
Niacin (Nicotinic acid)	29.3 mg/Kg	a Linolenic Acid 18:3 n3	0.98%
Niacin (Nicotinamide)	0.8 mg/Kg	Arachadonic Acid 20:4 n6	No data
Vitamin B6 (Pryridoxine)	7 mg/Kg	EPA 20:5 n3	No data
Pantothenic Acid	16 mg/Kg	DHA 22:6 n3	No data
Biotin	200 ug/Kg	Total n3	0.98%
Folic Acid	2 mg/Kg	Total n6	1.51%
Inositol	None added	Total Mono Unsaturated Fats	3.98%
Vitamin B12 (Cyancobalamin)	100 ug/Kg	Total Polyunsaturated Fats	2.50%
Choline	2 170 mg/Kg	Total Saturated Fats	0.50%

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 autoclave 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.

