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Diet
SF05-009

No Added Vitamin K Modification of AIN93M Rodent Diet

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

- Vitamin K has been excluded from the vitamin premix used in this diet. There may be trace amounts of vitamin K in some of the raw materials.

Calculated Nutritional Parameters

Protein	13.60%
Total Fat	4.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	15.6 MJ / Kg
% Total calculated digestible energy from lipids	9.00%
% Total calculated digestible energy from protein	15.00%

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.

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
Modified AIN93 Vitamins No Vitamin K	10 g/Kg

Calculated Amino Acids	
Valine	0.90%
Leucine	1.30%
Isoleucine	0.60%
Threonine	0.60%
Methionine	0.60%
Cysteine	0.05%
Lysine	1.00%
Phenylalanine	0.70%
Tyrosine	0.70%
Histidine	0.42%
Tryptophan	0.20%

Calculated Total Minerals	
Calcium	0.47%
Phosphorous	0.35%
Magnesium	0.09%
Sodium	0.15%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.17%
Iron	75 mg/Kg
Copper	6.9 mg/Kg
Iodine	0.2 mg/Kg
Manganese	19.5 mg/Kg
Cobalt	No data
Zinc	47 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	3.1 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Total Vitamins	
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)	None added
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 (Cyancobalamin)	102 ug/Kg
Choline	1650 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	No data
Palmitic Acid 16:0	0.40%
Stearic Acid 18:0	0.10%
Palmitoleic Acid 16:1	No data
Oleic Acid 18:1	1.80%
Gadoleic Acid 20:1	trace
Linoleic Acid 18:2 n6	0.80%
a Linolenic Acid 18:3 n3	0.40%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.40%
Total n6	1.28%
Total Mono Unsaturated Fats	1.85%
Total Polyunsaturated Fats	1.28%
Total Saturated Fats	0.68%

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.