



## Diet

### SF07-044

## High Methol Donor Rodent Diet

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

- The base diet (SF07-043) has been formulated to excule any added methionine, choline, zinc, folate, and vitamin B12. There will however be trace amounts of these compounds present from the other raw materials.
- A high methol donor premix (Methionine, Choline, Zinc, Folate, Betaine and Vitamin B12) has been added to the base diet

Calculated Nutritional Parameters	
Protein	19.40%
Total Fat	7.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	16.5 MJ / Kg
% Total calculated digestible energy from lipids	16.00%
% Total calculated digestible energy from protein	20.40%

### 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	
Casein (Acid)	200 g/Kg
Sucrose	100 g/Kg
Canola Oil	70 g/Kg
Cellulose	50 g/Kg
Wheat Starch	360 g/Kg
Dextrinised Starch	132 g/Kg
Calcium Carbonate	13.1 g/Kg
Sodium Chloride	2.6 g/Kg
Modified AIN93 Trace Minerals No added Zinc	1.4 g/Kg
Potassium Citrate	2.5 g/Kg
Potassium Dihydrogen Phosphate	6.9 g/Kg
Potassium Sulphate	1.6 g/Kg
SF07-044 Methol Donor Premix	50 g/Kg
Modified AIN93 Vitamins No Folate, No B12	10 g/Kg

Ingredients in SF07-044 px (as included at 50 g/Kg in Final Diet)	
Betaine	60 g/Kg
DL Methionine	7.5 g/Kg
Choline Chloride (65%)	25 g/Kg
Zinc Sulphate Monohydrate	0.43 g/Kg
Vitamin B12 (1%)	0.15 g/Kg
Folic Acid (90%)	0.075 g/Kg
Sucrose	2 g/Kg

Calculated Total Minerals	
Calcium	0.47%
Phosphorous	0.35%
Magnesium	0.09%
Sodium	0.15%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.32%
Iron	80 mg/Kg
Copper	6.7 mg/Kg
Iodine	0.2 mg/Kg
Manganese	17 mg/Kg
Cobalt	No data
Zinc	165 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	2.4 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Amino Acids	
Valine	1.26%
Leucine	1.80%
Isoleucine	0.87%
Threonine	0.80%
Methionine	1.28%
Cystine	0.06%
Lysine	1.50%
Phenylalanine	1.00%
Tyrosine	1.00%
Histidine	0.60%
Tryptophan	0.30%

Calculated Total Vitamins	
Vitamin A (Retinol)	4 000 IU/Kg
Vitamin D (Cholecalciferol)	1 000 IU/Kg
Vitamin E (a Tocopherol acetate)	78 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	68 mg/Kg
Inositol	None added
Vitamin B12 (Cyancobalamin)	1 500 ug/Kg
Choline	16 060 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.30%
Stearic Acid 18:0	0.14%
Palmitoleic Acid 16:1	0.02%
Oleic Acid 18:1	3.89%
Gadoleic Acid 20:1	0.07%
Linoleic Acid 18:2 n6	1.51%
a Linolenic Acid 18:3 n3	0.98%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.98%
Total n6	1.51%
Total Mono Unsaturated Fats	3.98%
Total Polyunsaturated Fats	2.50%
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 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.