



Diet

SF06-097

8% Fat Rat and mouse

A fixed formulation diet for Laboratory Rats and Mice fortified with vitamins and minerals to meet the requirements of breeding animals after the diet is autoclaved or irradiated.

- All nutritional parameters of this diet meet or exceed the NRC guidelines for Rats and Mice.
- Canola oil has been added to the standard rat and mouse formulation to increase fat content to 8%.

Calculated Nutritional Parameters

Protein	18.50%
Total Fat	8.00%
Crude Fibre	4.80%
Digestible Energy	15 MJ / Kg

Diet Form and Features

- Cereal grain base diet. Mash/Powder form.
- 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 and for autoclave.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.

Ingredients

A fixed formula ration using the following ingredients. Wheat, Barley, Lupins, Soya meal, Fish meal, Mixed vegetable oils, Canola oil, Salt, Calcium Carbonate, Dicalcium phosphate, Magnesium oxide, Salt, and a Vitamin and mineral premix.

Calculated Amino Acids

Valine	0.80%
Leucine	1.40%
Isoleucine	0.80%
Threonine	0.70%
Methionine	0.30%
Cystine	0.30%
Lysine	0.90%
Phenylalanine	0.90%
Tyrosine	0.50%
Tryptophan	0.20%
Histidine	0.50%

Feeding Recommendations

Feed ad-lib to animals of all ages.

Added Trace Minerals

Magnesium	100 mg/Kg
Iron	70 mg/Kg
Copper	16 mg/Kg
Iodine	0.5 mg/Kg
Manganese	70 mg/Kg
Zinc	60 mg/Kg
Molybdenum	0.5 mg/Kg
Selenium	0.1 mg/Kg

Added Vitamins	
Vitamin A (Retinol)	10 000 IU/Kg
Vitamin D (Cholecalciferol)	2 000 IU/Kg
Vitamin K (Menadione)	20 mg/Kg
Vitamin E (a Tocopherol acetate)	100 mg/Kg
Vitamin B1 (Thiamine)	80 mg/Kg
Vitamin B2 (Riboflavin)	30 mg/Kg
Niacin (Nicotinic acid)	100 mg/Kg
Vitamin B6 (Pyridoxine)	25 mg/Kg
Calcium Pantothenate	50 mg/Kg
Biotin	300 ug/Kg
Folic Acid	5 mg/Kg
Vitamin B12 (Cyanocobalamin)	150 ug/Kg

Calculated Total Vitamins	
Vitamin A (Retinol)	10 600 IU/Kg
Vitamin D (Cholecalciferol)	> 2 000 IU/Kg
Vitamin E (a Tocopherol acetate)	110 mg/Kg
Vitamin K (Menadione)	20 mg/Kg
Vitamin C (Ascorbic acid)	No data
Vitamin B1 (Thiamine)	80 mg/Kg
Vitamin B2 (Riboflavin)	31 mg/Kg
Niacin (Nicotinic acid)	140 mg/Kg
Vitamin B6 (Pyridoxine)	27 mg/Kg
Pantothenic Acid	60 mg/Kg
Biotin	400 ug/Kg
Folic Acid	5 mg/Kg
Inositol	No data
Vitamin B12 (Cyanocobalamin)	145 ug/Kg
Choline	1 500 mg/Kg

Calculated Total Minerals	
Calcium	0.75%
Phosphorous	0.65%
Magnesium	0.20%
Sodium	0.20%
Potassium	0.80%
Sulphur	0.20%
Iron	200 mg/Kg
Copper	23 mg/Kg
Iodine	0.5 mg/Kg
Manganese	110 mg/Kg
Cobalt	0.6 mg/Kg
Zinc	90mg/Kg
Molybdenum	1.2 mg/Kg
Selenium	0.3 mg/Kg
Cadmium	0.04 mg/Kg
Chromium	No data

Calculated Fatty Acid Composition	
Myristic Acid 14:0	0.03%
Palmitic Acid 16:0	0.70%
Stearic Acid 18:0	0.20%
Palmitoleic Acid 16:1	0.01%
Oleic Acid 18:1	3.90%
Gadoleic Acid 20:1	0.08%
Linoleic Acid 18:2 n6	1.90%
a Linolenic Acid 18:3 n3	0.70%
Arachadonic Acid 20:4 n6	Trace
EPA 20:5 n3	0.03%
DHA 22:6 n3	0.05%
Total n3	0.86%
Total n6	1.90%
Total Mono Unsaturated Fats	4.03%
Total Polyunsaturated Fats	2.69%
Total Saturated Fats	0.94%

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.