



Diet

SF02-011

Low n3 Rat and Mouse Diet

A cereal diet based on our standard rat and mouse diet with modifications to keep n3 fats around 0.1%.

- Fat content has been increased to 10% using lard (Pork fat).
- Energy has increased due to the higher fat content and calculated Vitamin E concentration has increased from the additional oil.
- Our standard diet uses wheat as the primary cereal grain. To maintain nutritional parameters in this diet it has been necessary to change to barley as the primary cereal grain.
- All other nutritional parameters have been kept as close as possible to our standard rat and mouse diet.

Calculated Nutritional Parameters

Protein	18.70%
Total Fat	10.00%
Crude Fibre	5.00%
Digestible Energy	14.7 MJ / Kg

Ingredients

A fixed formula ration using the following ingredients.
Wheat, Lupins, Barley, Soya meal, Lysine, Methionine, Lard, High Oleic Safflower oil, Salt, Calcium carbonate, Dicalcium phosphate, Magnesium oxide, and a Vitamin and mineral premix.

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

Diet Form and Features

- Cereal grain base 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 for autoclave.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.

Added Vitamins	
Vitamin A (Retinol)	10 000 IU/Kg
Vitamin D3 (Cholecalciferol)	2 000 IU/Kg
Vitamin K (Menadione)	2 mg/Kg
Vitamin E (a Tocopherol acetate)	100 mg/Kg
Vitamin B1 (Thiamine)	6 mg/Kg
Vitamin B2 (Riboflavin)	6 mg/Kg
Niacin (Nicotinic acid)	25 mg/Kg
Vitamin B6 (Pyridoxine)	6 mg/Kg
Calcium Pantothenate	20 mg/Kg
Biotin	100 ug/Kg
Folic Acid	2 mg/Kg
Vitamin B12 (Cyanocobalamin)	30 ug/Kg

Calculated Amino Acids	
Valine	0.80%
Leucine	1.30%
Isoleucine	0.70%
Threonine	0.70%
Methionine	0.20%
Cystine	0.30%
Lysine	0.90%
Phenylalanine	0.80%
Tyrosine	0.60%
Tryptophan	0.20%

Calculated Total Minerals	
Calcium	0.80%
Phosphorous	0.70%
Magnesium	0.20%
Sodium	0.20%
Potassium	0.70%
Sulphur	0.10%
Iron	500 mg/Kg
Copper	25 mg/Kg
Iodine	0.5 mg/Kg
Manganese	110 mg/Kg
Cobalt	0.4 mg/Kg
Zinc	70 mg/Kg
Molybdenum	1.4 mg/Kg
Selenium	0.4 mg/Kg
Cadmium	0.03 mg/Kg
Chromium	No data

Calculated Total Vitamins	
Vitamin A (Retinol)	10 700 IU/Kg
Vitamin D (Cholecalciferol)	2 000 IU/Kg
Vitamin E (a Tocopherol acetate)	120 mg/Kg
Vitamin K (Menadione)	2 mg/Kg
Vitamin C (Ascorbic acid)	No data
Vitamin B1 (Thiamine)	10 mg/Kg
Vitamin B2 (Riboflavin)	7.5 mg/Kg
Niacin (Nicotinic acid)	65 mg/Kg
Vitamin B6 (Pyridoxine)	9 mg/Kg
Pantothenic Acid	30 mg/Kg
Biotin	250 ug/Kg
Folic Acid	2.5 mg/Kg
Inositol	No data
Vitamin B12 (Cyanocobalamin)	30 ug/Kg
Choline	1 200 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	0.10%
Palmitic Acid 16:0	1.60%
Stearic Acid 18:0	1.00%
Palmitoleic Acid 16:1	0.10%
Oleic Acid 18:1	4.20%
Gadoleic Acid 20:1	Trace
Linoleic Acid 18:2 n6	1.50%
a Linolenic Acid 18:3 n3	0.10%
Arachadonic Acid 20:4 n6	Trace
EPA 20:5 n3	Trace
DHA 22:6 n3	Trace
Total n3	0.10%
Total n6	1.50%
Total Mono Unsaturated Fats	4.31%
Total Polyunsaturated Fats	1.71%
Total Saturated Fats	2.69%

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.