



## Diet SF05-065

## Low Calcium Meat Free Rat and Mouse

A fixed formulation diet for Laboratory Rats and Mice based on our standard ration but with low calcium content.

- Calcium content of this diet is less than that generally recognised to meet nutritional requirements. Calcium : Phosphorous ratio is outside the range considered optimal for maintenance or growth of rats or mice.
- All other nutritional parameters of this diet meet or exceed the NRC guidelines for Rats and Mice
- Several other changes were required to meet the Calcium and Phosphorous limits. The basic grain content is similar to our standard diet but Fish meal has been excluded. To make up for some loss of long chain poly unsaturated fats, fish oil was added.
- For general comments please see our standard Rat and Mouse data sheet

### Calculated Nutritional Parameters

Protein	21.20%
Total Fat	5.48%
Crude Fibre	5.50%
Digestible Energy	14.2 MJ / Kg
Calcium	0.14%
Phosphorous	0.80%

### Ingredients

A fixed formula ration using the following ingredients.

Wheat, Barley, Lupins, Soya meal, Fish oil, Mixed vegetable oils, Canola oil, Salt, Mono Ammonium phosphate, Magnesium oxide and a Vitamin and mineral premix.

### Feeding Recommendations

Feed ad-lib to animals of all ages.

### 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.
- Also available in 10 or 20Kg bag size.
- Diet suitable for irradiation and for autoclave.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.

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 Amino Acids	
Valine	0.87%
Leucine	1.47%
Isoleucine	0.80%
Threonine	0.70%
Methionine	0.24%
Cystine	0.35%
Lysine	0.91%
Phenylalanine	0.91%
Tyrosine	0.72%
Tryptophan	0.20%
Histidine	0.53%

Calculated Total Minerals	
Calcium	0.14%
Phosphorous	0.80%
Magnesium	0.22%
Sodium	0.20%
Potassium	0.84%
Sulphur	0.22%
Iron	150 mg/Kg
Copper	23 mg/Kg
Iodine	0.5 mg/Kg
Manganese	107 mg/Kg
Cobalt	0.6 mg/Kg
Zinc	93 mg/Kg
Molybdenum	1.3 mg/Kg
Selenium	0.3 mg/Kg
Cadmium	0.04 mg/Kg
Chromium	No data

Calculated Total Vitamins	
Vitamin A (Retinol)	11 140 IU/Kg
Vitamin D (Cholecalciferol)	> 2 000 IU/Kg
Vitamin E (a Tocopherol acetate)	113 mg/Kg
Vitamin K (Menadione)	20 mg/Kg
Vitamin C (Ascorbic acid)	No data
Vitamin B1 (Thiamine)	84 mg/Kg
Vitamin B2 (Riboflavin)	31 mg/Kg
Niacin (Nicotinic acid)	146 mg/Kg
Vitamin B6 (Pyridoxine)	28 mg/Kg
Pantothenic Acid	60 mg/Kg
Biotin	420 ug/Kg
Folic Acid	5.5 mg/Kg
Inositol	No data
Vitamin B12 (Cyanocobalamin)	150 ug/Kg
Choline	1 760 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	0.04%
Palmitic Acid 16:0	0.60%
Stearic Acid 18:0	0.17%
Palmitoleic Acid 16:1	0.05%
Oleic Acid 18:1	2.20%
Gadoleic Acid 20:1	0.04%
Linoleic Acid 18:2 n6	1.50%
α Linolenic Acid 18:3 n3	0.34%
Arachadonic Acid 20:4 n6	Trace
EPA 20:5 n3	0.11%
DHA 22:6 n3	0.08%
Total n3	0.54%
Total n6	1.51%
Total Mono Unsaturated Fats	2.29%
Total Polyunsaturated Fats	2.05%
Total Saturated Fats	0.86%

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.