



Diet SF16-096 SF03-020 with increased vitamins for irradiation

A semi-pure diet formulation for laboratory rats and mice based on AIN-93G.

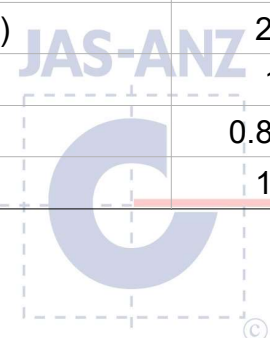
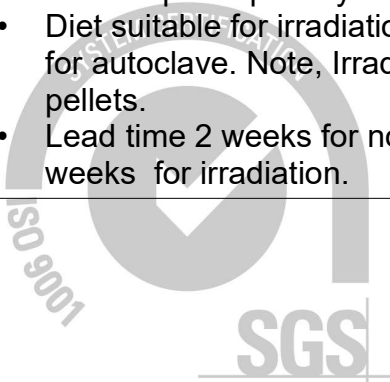
- The fat content has been increased to 23%, sucrose content has been increased to improve pellet strength and starch content has been reduced.
- Cholesterol has been added at 0.19%.
- Vitamin inclusion has been increased to account for some losses that may occur during the irradiation process.

Calculated Nutritional Parameters as Fed	
Protein	19.70%
Total Fat	23.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	19.7 MJ / Kg
% Total calculated digestible energy from lipids	43.40%
% Total calculated digestible energy from protein	17.30%

Ingredients	
Casein (Acid)	200 g/Kg
Sucrose	418 g/Kg
Canola Oil	50 g/Kg
Cocoa Butter	50 g/Kg
Hydrogenated Vegetable Oil (Copha)	131 g/Kg
Cellulose	50 g/Kg
Pregelged Wheat Starch	50 g/Kg
L Methionine	3.0 g/Kg
Calcium Carbonate	13.1 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Citrate	2.5 g/Kg
Potassium Dihydrogen Phosphate	6.9 g/Kg
Potassium Sulphate	1.6 g/Kg
Choline Chloride (75%)	2.5 g/Kg
AIN93 Vitamins	15 g/Kg
Vitamin K 0.23%	0.87g / Kg
Cholesterol USP	1.9 g/Kg

Diet Form and Features

- Semi pure diet. 12 mm diameter pellets.
- Pack size 1.5 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. Note, Irradiation can soften pellets.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.



Calculated Amino Acids as Fed	
Valine	1.25%
Leucine	1.71%
Isoleucine	0.94%
Threonine	0.79%
Methionine	0.83%
Cysteine	0.08%
Lysine	1.42%
Phenylalanine	0.93%
Tyrosine	0.99%
Tryptophan	0.17%
Histidine	0.52%

Calculated Total Vitamins as Fed	
Vitamin A (Retinol)	6 000 IU/Kg
Vitamin D (Cholecalciferol)	1 500 IU/Kg
Vitamin E (a Tocopherol acetate)	116 mg/Kg
Vitamin K (Menadione)	3.5 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	9.1 mg/Kg
Vitamin B2 (Riboflavin)	9.3 mg/Kg
Niacin (Nicotinic acid)	45 mg/Kg
Vitamin B6 (Pryridoxine)	10.7 mg/Kg
Pantothenic Acid	24.5 mg/Kg
Biotin	300 ug/Kg
Folic Acid	3 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	153 ug/Kg
Choline	1 980 mg/Kg

Calculated Total Minerals as Fed	
Calcium	0.69%
Phosphorous	0.32%
Magnesium	0.05%
Sodium	0.12%
Chloride	0.16%
Potassium	0.39%
Sulphur	0.22%
Iron	48 mg/Kg
Copper	7.2 mg/Kg
Iodine	0.2 mg/Kg
Manganese	16 mg/Kg
Cobalt	No data
Zinc	52 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	2.1 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Fatty Acid Composition	
Saturated fats C12 or Less	7.65%
Myristic Acid 14:0	2.37%
Palmitic Acid 16:0	2.75%
Stearic Acid 18:0	3.51%
Oleic Acid 18:1	4.45%
Gadoleic Acid 20:1	0.06%
Linoleic Acid 18:2 n6	1.31%
a Linolenic Acid 18:3 n3	0.71%
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.71%
Total n6	1.31%
Total Saturated Fats	16.50%
Total Monosaturated Fats	4.54%
Total Polyunsaturated Fat	2.03%
Cholesterol	0.19%

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.