



## Diet

### SF14-063

## Ketogenic Diet 77.6% Fat

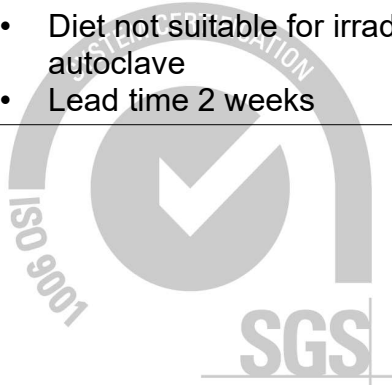
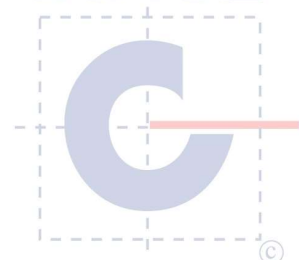
A semi-pure very high fat diet formulation for laboratory rats and mice based on the diet reported in *APJ-Endocrinal Metab. Vol 292, June 2007.*

Calculated Nutritional Parameters	
Protein	9.50%
Total Fat	77.60%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	30.8 MJ / Kg
% Total calculated digestible energy from lipids	93.20%
% Total calculated digestible energy from protein	5.40%

Ingredients	
Casein (Acid)	95 g/Kg
Canola Oil	114 g/Kg
Ghee	199.5 g/Kg
Lard	475 g/Kg
Cellulose	50 g/Kg
Wheat Starch	7.6 g/Kg
L Methionine	4.0 g/Kg
Calcium Carbonate	17.7 g/Kg
Sodium Chloride	3.6 g/Kg
AIN93 Trace Minerals	1.9 g/Kg
Potassium Citrate	3.4 g/Kg
Potassium Dihydrogen Phosphate	9.3 g/Kg
Potassium Sulphate	2.2 g/Kg
Choline Chloride (75%)	3.4 g/Kg
AIN93 Vitamins	13.5 g/Kg

### Diet Form and Features

- Semi pure diet. 15mm x 20mm block to mimic similar size of pellet.
- Packed in plastic trays. Trays packed in groups of five (5). with layer of glad wrap between each to protect diet.
- Vacuum packed under nitrogen in oxygen impermeable bags. Packed in cardboard cartons for protection during transit.
- Diet must be stored at or below 15°C
- Diet not suitable for irradiation or autoclave
- Lead time 2 weeks



Calculated Essential Amino Acids as Fed	
Valine	0.60%
Leucine	0.86%
Isoleucine	0.41%
Threonine	0.38%
Methionine	0.65%
Cysteine	0.03%
Lysine	0.71%
Phenylalanine	0.47%
Tyrosine	0.50%
Tryptophan	0.13%
Histidine	0.29%

Calculated Total Vitamins as Fed	
Vitamin A (Retinol)	7 000 IU/Kg
Vitamin D (Cholecalciferol)	1 350 IU/Kg
Vitamin E (a Tocopherol acetate)	108 mg/Kg
Vitamin K (Menadione)	1.4 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	8.1 mg/Kg
Vitamin B2 (Riboflavin)	8.3 mg/Kg
Niacin (Nicotinic acid)	40 mg/Kg
Vitamin B6 (Pryridoxine)	9.6 mg/Kg
Pantothenic Acid	22 mg/Kg
Biotin	270 ug/Kg
Folic Acid	2.7 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	136 ug/Kg
Choline	1 930 mg/Kg

Calculated Total Minerals as Fed	
Calcium	0.91%
Phosphorous	0.29%
Magnesium	0.07%
Sodium	0.15%
Chloride	0.22%
Potassium	0.50%
Sulphur	0.19%
Iron	64 mg/Kg
Copper	8.7 mg/Kg
Iodine	0.3 mg/Kg
Manganese	16 mg/Kg
Cobalt	No data
Zinc	55 mg/Kg
Molybdenum	0.2 mg/Kg
Selenium	0.3 mg/Kg
Cadmium	No data
Chromium	1.4 mg/Kg
Fluoride	1.4 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 as Fed	
Saturated fats C12 or Less	1.91%
Myristic Acid 14:0	3.17%
Palmitic Acid 16:0	19.70%
Stearic Acid 18:0	10.63%
Oleic Acid 18:1	27.57%
Gadoleic Acid 20:1	0.47%
Linoleic Acid 18:2 n6	9.65%
a Linolenic Acid 18:3 n3	2.43%
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	2.67%
Total n6	9.74%
Total Saturated Fats	36.19%
Total Monosaturated Fats	29.78%
Total Polyunsaturated Fat	12.67%

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.