



Specialty Feeds

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Diet SF13-136 Low Choline, Low Methionine 10% Fat Rodent Diet

A semi-pure diet formulation for laboratory rats and mice using purified amino acids.

- Diet is low in Choline and Methionine
- Diet is equivalent to TD 90262
- Control for this diet is SF13-137

Calculated Nutritional Parameters as Fed

Protein	16.7%
Total Fat	10.0%
Crude Fibre	2.8%
AD Fibre	2.8%
Digestible Energy	17.8 MJ / Kg
% Total calculated digestible energy from protein	19.9%
% Total calculated digestible energy from lipids	21.2%

Diet Form and Features

- Semi pure diet. 12 mm Pellets or available in dough 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 but not suitable for autoclave.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.

Ingredients

Sucrose	459 g/Kg
Maize (Corn) Oil	100 g/Kg
Cellulose	30 g/Kg
Maize Starch	200 g/Kg
L-Lysine HCl	18 g/Kg
L-Tryptophan	1.8 g/Kg
L-Alanine	3.5 g/Kg
L-Arginine	12.1 g/Kg
L-Asparagine	6.0 g/Kg
L-Aspartic Acid	3.5 g/Kg
L-Cystine	3.5 g/Kg
L-Glutamic Acid	40.0 g/Kg
Glycine	23.3 g/Kg
L-Histidine	4.5 g/Kg
L-Isoleucine	8.2 g/Kg
L-Leucine	11.1 g/Kg
L-Phenylalanine	7.5 g/Kg
L-Proline	3.5 g/Kg
L-Serine	3.5 g/Kg
L-Threonine	8.2 g/Kg
L-Tyrosine	5.0 g/Kg
L-Valine	8.2 g/Kg
Dicalcium Phosphate	12 g/Kg
Sodium Chloride	2.6 g/Kg

Ingredients	
AIN93 Trace Minerals	1.4 g/Kg
Potassium Citrate	1.0 g/Kg
Potassium Dihydrogen Phosphate	7.2 g/Kg
Potassium Sulphate	1.8 g/Kg
Magnesium Oxide	0.8 g/Kg
Calcium Carbonate	2.9 g/Kg
AIN93 Vitamins	10 g/Kg
Antioxidant (Oxicap E2)	0.2 g/Kg

Calculated Essential Amino Acids as Fed	
Valine	0.81%
Leucine	1.10%
Isoleucine	0.81%
Threonine	0.81%
Methionine	No data
Cysteine	0.34%
Lysine	1.40%
Phenylalanine	0.74%
Tyrosine	0.50%
Tryptophan	0.18%
Arginine	1.20%
Glycine	2.31%
Histidine	0.45%
Serine	0.35%

Calculated Total Minerals as Fed	
Calcium	0.40%
Phosphorous	0.40%
Magnesium	0.11%
Sodium	0.12%
Chloride	0.16%
Potassium	0.35%
Sulphur	0.14%
Iron	57 mg/Kg
Copper	7.8 mg/Kg
Iodine	0.2 mg/Kg
Manganese	21 mg/Kg
Cobalt	No data
Zinc	40 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	0.5 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg



Calculated Total Vitamins as Fed		Calculated Fatty Acid Composition as Fed	
Vitamin A (Retinol)	4 000 IU/Kg	Myristic Acid 14:0	No data
Vitamin D (Cholecalciferol)	1 000 IU/Kg	Palmitic Acid 16:0	1.09%
Vitamin E (a Tocopherol acetate)	77 mg/Kg	Stearic Acid 18:0	0.18%
Vitamin K (Menadione)	1 mg/Kg	Palmitoleic Acid 16:1	No data
Vitamin C (Ascorbic acid)	None added	Oleic Acid 18:1	2.42%
Vitamin B1 (Thiamine)	6 mg/Kg	Gadoleic Acid 20:1	No data
Vitamin B2 (Riboflavin)	6 mg/Kg	Linoleic Acid 18:2 n6	5.80%
Niacin (Nicotinic acid)	30 mg/Kg	a Linolenic Acid 18:3 n3	0.07%
Vitamin B6 (Pryridoxine)	7 mg/Kg	Arachadonic Acid 20:4 n6	No data
Pantothenic Acid	16 mg/Kg	EPA 20:5 n3	No data
Biotin	200 ug/Kg	DHA 22:6 n3	No data
Folic Acid	2 mg/Kg	Total n3	0.07%
Inositol	None added	Total n6	5.80%
Vitamin B12 (Cyancobalamin)	100 ug/Kg	Total Saturated Fats	1.27%
Choline	No data	Total Mono-Unsaturated Fats	2.42%
		Total Polyunsaturated Fats	5.87%

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.

