



Diet **Replete Choline, Replete Methionine 10% Fat** **SF13-137** **Rodent Diet**

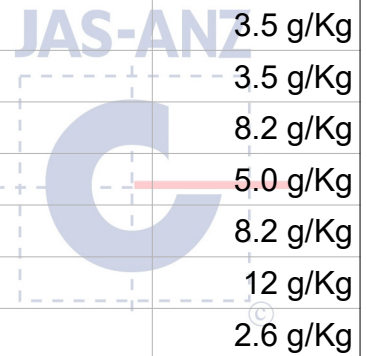
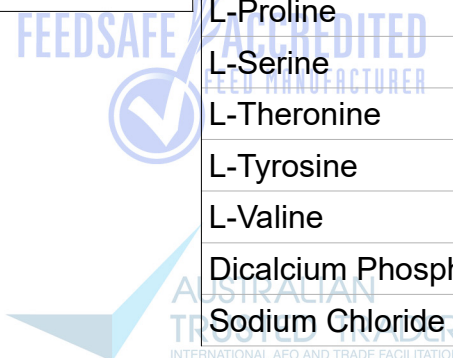
A semi-pure diet formulation for laboratory rats and mice using purified amino acids.

- Diet has same levels of choline and methionine as the standard AIN 93G formulation.

Calculated Nutritional Parameters as Fed		Ingredients	
Protein	16.7%	Sucrose	448 g/Kg
Total Fat	10.0%	Maize (Corn) Oil	100 g/Kg
Crude Fibre	2.8%	Cellulose	30 g/Kg
AD Fibre	2.8%	Maize Starch	200 g/Kg
Digestible Energy	17.8 MJ / Kg	L-Lysine HCl	18 g/Kg
% Total calculated digestible energy from protein	19.9%	L-Tryptophan	1.8 g/Kg
% Total calculated digestible energy from lipids	21.2%	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 Methionine	8.5 g/Kg
		L-Phenylalanine	7.5 g/Kg
		L-Proline	3.5 g/Kg
		L-Serine	3.5 g/Kg
		L-Theronine	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

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	
Potassium Citrate	1.0 g/Kg
AIN93 Trace Minerals	1.4 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
Choline Chloride 75%	2.6 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	0.84%
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	
Vitamin A (Retinol)	4 000 IU/Kg
Vitamin D (Cholecalciferol)	1 000 IU/Kg
Vitamin E (a Tocopherol acetate)	77 mg/Kg
Vitamin K (Menadione)	1 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	6 mg/Kg
Vitamin B2 (Riboflavin)	6 mg/Kg
Niacin (Nicotinic acid)	30 mg/Kg
Vitamin B6 (Pryridoxine)	7 mg/Kg
Pantothenic Acid	16 mg/Kg
Biotin	200 ug/Kg
Folic Acid	2 mg/Kg
Inositol	None added
Vitamin B12 (Cyancobalamin)	100 ug/Kg
Choline	1470 mg/Kg

Calculated Fatty Acid Composition as Fed	
Myristic Acid 14:0	No data
Palmitic Acid 16:0	1.09%
Stearic Acid 18:0	0.18%
Palmitoleic Acid 16:1	No data
Oleic Acid 18:1	2.42%
Gadoleic Acid 20:1	No data
Linoleic Acid 18:2 n6	5.80%
a Linolenic Acid 18:3 n3	0.07%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.07%
Total n6	5.80%
Total Saturated Fats	1.27%
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.

