



Diet

SF04-037

Semi-Pure Rodent Diet Based on D12266B

A semi-pure diet formulation for laboratory rats and mice based on D12266B. Some modifications have been made to the original formulation to suit locally available raw materials.

- 17% of calculated energy is from protein, 31% lipids and the remainder from carbohydrates

Calculated Nutritional Parameters	
Protein	17.60%
Total Fat	15.50%
Crude Fibre	2.70%
AD Fibre	2.70%
Digestible Energy	18.3 MJ / Kg
% Total calculated digestible energy from lipids	31.00%
% Total calculated digestible energy from protein	17.00%

Ingredients	
Casein (Acid)	182 g/Kg
Sucrose	287 g/Kg
Corn Oil	113 g/Kg
Ghee (Clarified Butter Fat)	42.4 g/Kg
Cellulose	2.9 g/Kg
Wheat Starch	240 g/Kg
Dextrinised Starch	72 g/Kg
DL Methionine	2.9 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	10 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.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.

Calculated Amino Acids		Calculated Total Vitamins			
Valine	1.10%	Vitamin A (Retinol)	4 400 IU/Kg		
Leucine	1.60%	Vitamin D (Cholecalciferol)	1 000 IU/Kg		
Isoleucine	0.80%	Vitamin E (a Tocopherol acetate)	78 mg/Kg		
Threonine	0.70%	Vitamin K (Menadione)	1 mg/Kg		
Methionine	0.80%	Vitamin C (Ascorbic acid)	None added		
Cystine	0.05%	Vitamin B1 (Thiamine)	6.1 mg/Kg		
Lysine	1.40%	Vitamin B2 (Riboflavin)	6.3 mg/Kg		
Phenylalanine	0.90%	Niacin (Nicotinic acid)	30 mg/Kg		
Tyrosine	1.00%	Vitamin B6 (Pryridoxine)	7 mg/Kg		
Tryptophan	0.20%	Pantothenic Acid	16.5 mg/Kg		
Calculated Total Minerals		Biotin	200 ug/Kg		
		Folic Acid	2 mg/Kg		
		Inositol	None added		
		Vitamin B12 (Cyanocobalamin)	103 ug/Kg		
		Choline	1670 mg/Kg		
		Calculated Fatty Acid Composition		Saturated Fat 12:0 or Less	0.40%
				Myristic Acid 14:0	0.50%
				Palmitic Acid 16:0	2.60%
				Stearic Acid 18:0	0.70%
				Palmitoleic Acid 16:1	0.08%
Oleic Acid 18:1	3.80%				
Gadoleic Acid 20:1	No data				
Linoleic Acid 18:2 n6	6.60%				
a Linolenic Acid 18:3 n3	0.10%				
Arachadonic Acid 20:4 n6	Trace				
EPA 20:5 n3	No data				
DHA 22:6 n3	No data				
Total n3	0.15%				
Total n6	6.64%				
Total Mono Unsaturated Fats	3.99%				
Total Polyunsaturated Fats	6.79%				
Total Saturated Fats	4.26%				

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.