



## Diet SF05-014

## Semi-Pure Guinea Pig Diet

A semi-pure diet formulation for laboratory guinea pigs.

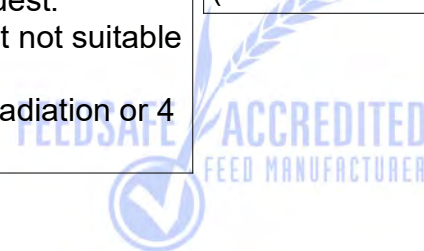
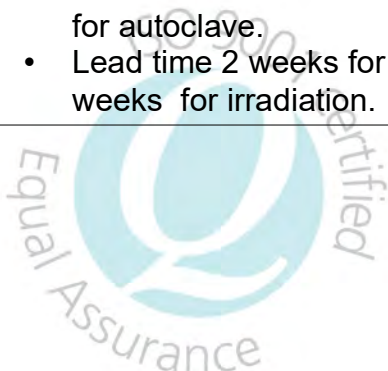
- This formulation is based on the diet reported in *Apgar J and GA Everett. 1991 Nutr. Res. 11: 929-939*
- Modifications have been made to the original formulation to incorporate current knowledge and simplify manufacture.

Calculated Nutritional Parameters	
Protein	29.00%
Total Fat	10.00%
Crude Fibre	14.00%
AD Fibre	14.00%
Digestible Energy	16.1 MJ / Kg
% Total calculated digestible energy from lipids	24.00%
% Total calculated digestible energy from protein	34.00%

Ingredients	
Casein (Acid)	300 g/Kg
Dextrose Monohydrate	366 g/Kg
Canola Oil	100 g/Kg
Cellulose	150 g/Kg
Calcium Carbonate	24 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Citrate	2.5 g/Kg
Potassium Dihydrogen Phosphate	13 g/Kg
Potassium Sulphate	1.6 g/Kg
Choline Chloride (60%)	2.5 g/Kg
AIN93 Vitamins	10 g/Kg
GPV Supplement	10 g/Kg
Stabilised Vitamin C (Roche STAY C)	11.5 g/Kg

### Diet Form and Features

- Semi pure diet. 4 mm diameter pellets.
- Pack size 4.5 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	
Valine	1.90%
Leucine	2.70%
Isoleucine	1.30%
Threonine	1.20%
Methionine	0.80%
Cystine	0.10%
Lysine	2.20%
Phenylalanine	1.50%
Tyrosine	1.50%
Tryptophan	0.40%

Calculated Total Vitamins	
Vitamin A (Retinol)	24 000 IU/Kg
Vitamin D (Cholecalciferol)	1 000 IU/Kg
Vitamin E (a Tocopherol acetate)	79 mg/Kg
Vitamin K (Menadione)	5 mg/Kg
Vitamin C (Ascorbic acid)	4 030 mg/Kg
Vitamin B1 (Thiamine)	6.1 mg/Kg
Vitamin B2 (Riboflavin)	6.5 mg/Kg
Niacin (Nicotinic acid)	30 mg/Kg
Vitamin B6 (Pryridoxine)	7 mg/Kg
Pantothenic Acid	30 mg/Kg
Biotin	200 ug/Kg
Folic Acid	10 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	104 mg/Kg
Choline	3 300 mg/Kg

Calculated Total Minerals	
Calcium	0.80%
Phosphorous	0.50%
Magnesium	0.25%
Sodium	0.13%
Chloride	0.16%
Potassium	0.60%
Sulphur	0.22%
Iron	95 mg/Kg
Copper	7.9 mg/Kg
Iodine	0.2 mg/Kg
Manganese	25 mg/Kg
Cobalt	No data
Zinc	58 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	2.9 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.40%
Stearic Acid 18:0	0.20%
Palmitoleic Acid 16:1	Trace
Oleic Acid 18:1	5.60%
Gadoleic Acid 20:1	0.10%
Linoleic Acid 18:2 n6	2.20%
a Linolenic Acid 18:3 n3	1.40%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	1.40%
Total n6	2.20%
Total Mono Unsaturated Fats	5.69%
Total Polyunsaturated Fats	3.57%
Total Saturated Fats	0.72%

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.