Specialty Feeds

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Diet

SF17-112

Semi Pure Gel Diet

A semi-pure diet formulation for laboratory rats and mice designed to be nutritionally equivalent to Bioserv Nutrigel F5769. This formulation satisfies the nutritional requirements for growth of rats and mice. Some modifications have been made to the original formulation to suit locally available raw materials.
Vitamins have been increased for irradiation.
Directions for use:

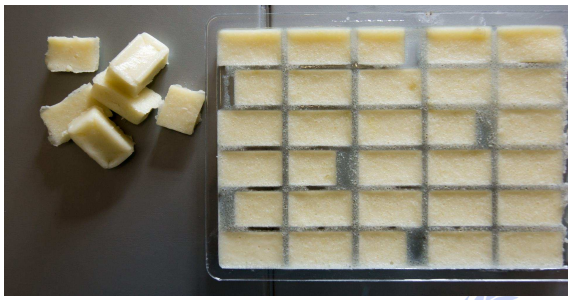
- Mix 200g Powder with 300g Water heated to 60°C, mix for 3 minutes
- Pour mixture into cavity trays
- Put trays in Refrigerator to set
- Store product in Refrigerator in a sealed container until use. Use within one wee

Calculated Nutritional Parameters as Fed

Protein	23.0%
Total Fat	8.0%
Total Digestible Carbohydrate as defined by FSANZ Standard 1.2.8	56.0%
Crude Fibre	5.0%
AD Fibre	5.0%
Digestible Energy	16.4 MJ / Kg
% Total calculated digestible energy from lipids	17.9%
% Total calculated digestible energy from protein	24.2%

Diet Form and Features

- Semi pure diet. Powder.
- Pack size 1.5 Kg trays, vacuum packed in oxygen impermeable plastic bags, under nitrogen. Trays are packed into cardboard cartons to protect them during transit.
- Diet suitable for irradiation but not suitable for autoclave.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.
- Bacon Flavoured



Ingredients	
Casein (Acid)	188 g/Kg
Gelatine	50 g/Kg
Sucrose	414 g/Kg
Canola Oil	80 g/Kg
Cellulose	50 g/Kg
Xanthan Gum	5 g/Kg
Gem GelStarch	158 g/Kg
L Methionine	3.0 g/Kg
L Tryptophan	0.4 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	20 g/Kg
Vitamin K 0.23%	0.78 g/Kg
Vitamin E 50%	0.3 g/Kg

Calculated Essential Amino Acids as Dry	
Valine	1.29%
Leucine	1.77%
Isoleucine	0.96%
Threonine	0.84%
Methionine	0.83%
Cysteine	0.08%
Lysine	1.50%
Phenylalanine	0.99%
Tyrosine	0.96%
Tryptophan	0.20%
Histidine	0.53%

Calculated Total Minerals as Dry	
Calcium	0.71%
Phosphorous	0.32%
Magnesium	0.05%
Sodium	0.15%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.27%
Iron	49 mg/Kg
Copper	7.3 mg/Kg
Iodine	0.2 mg/Kg
Manganese	17 mg/Kg
Cobalt	No data
Zinc	46 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	2.1 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Total Vitamins as Dry	
Vitamin A (Retinol)	8 000 IU/Kg
Vitamin D (Cholecalciferol)	2 000 IU/Kg
Vitamin E (a Tocopherol acetate)	283 mg/Kg
Vitamin K (Menadione)	4 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	12.1 mg/Kg
Vitamin B2 (Riboflavin)	12.3 mg/Kg
Niacin (Nicotinic acid)	60 mg/Kg
Vitamin B6 (Pryridoxine)	14 mg/Kg
Pantothenic Acid	32.5 mg/Kg
Biotin	400 ug/Kg
Folic Acid	4 mg/Kg
Inositol	None added
Vitamin B12 (Cyancobalamin)	203 ug/Kg
Choline	1 950 mg/Kg

Calculated Fatty Acid Composition as Dry	
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.34%
Stearic Acid 18:0	0.16%
Palmitoleic Acid 16:1	0.02%
Oleic Acid 18:1	4.44%
Gadoleic Acid 20:1	0.08%
Linoleic Acid 18:2 n6	1.72%
a Linolenic Acid 18:3 n3	1.12%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	1.12%
Total n6	1.72%
Total Mono Unsaturated Fats	4.55%
Total Polyunsaturated Fats	2.85%
Total Saturated Fats	0.57%

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.