



## Diet SF14-109

## 20% Fat Choline deficient with DL-Ethionine

A semi-pure diet formulation for laboratory rats and mice based on MP's Choline Deficient Diet with DL-Ethionine. Some modifications have been made to the original formulation to suit locally available raw materials.

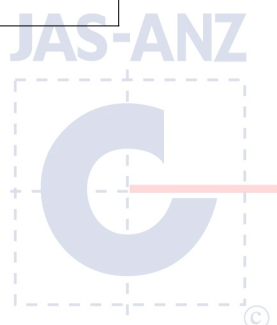
- Formulation uses Specialty Feeds AIN93 Minerals and AIN93 Vitamins
- Choline chloride and dl methionine have been excluded from the formulation

Calculated Nutritional Parameters	
Protein	18.60%
Total Fat	20.30%
Crude Fibre	0.00%
AD Fibre	0.00%
Digestible Energy	19.8 MJ / Kg
% Total calculated digestible energy from lipids	36.80%
% Total calculated digestible energy from protein	17.30%

Ingredients	
Casein (Acid)	100 g/Kg
Soy Protein Isolate	100 g/Kg
Sucrose	557 g/Kg
Lard	200 g/Kg
DL Ethionine	5.0 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
AIN93 Vitamins	10 g/Kg

### Diet Form and Features

- Semi pure diet. 12 mm diameter pellets.
- Pack size 1.5 Kg trays, 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	1.11%
Leucine	1.70%
Isoleucine	0.92%
Threonine	0.77%
Methionine	0.41%
Cysteine	0.15%
Lysine	1.38%
Phenylalanine	1.01%
Tyrosine	0.92%
Histidine	0.57%
Tryptophan	0.25%

Calculated Total Minerals	
Calcium	0.69%
Phosphorous	0.33%
Magnesium	0.06%
Sodium	0.24%
Chloride	0.19%
Potassium	0.40%
Sulphur	0.16%
Iron	48 mg/Kg
Copper	8.2 mg/Kg
Iodine	0.2 mg/Kg
Manganese	15 mg/Kg
Cobalt	No data
Zinc	45 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	
Vitamin A (Retinol)	4 000 IU/Kg
Vitamin D (Cholecalciferol)	1 000 IU/Kg
Vitamin E (a Tocopherol acetate)	75 mg/Kg
Vitamin K (Menadione)	1 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	6.2 mg/Kg
Vitamin B2 (Riboflavin)	6.3 mg/Kg
Niacin (Nicotinic acid)	32 mg/Kg
Vitamin B6 (Pryridoxine)	7 mg/Kg
Pantothenic Acid	16.3 mg/Kg
Biotin	200 ug/Kg
Folic Acid	2 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	101 ug/Kg
Choline	30 mg/Kg

Calculated Fatty Acid Composition	
Saturated Fat 12:0 or less	0.06%
Myristic Acid 14:0	0.30%
Palmitic Acid 16:0	5.34%
Stearic Acid 18:0	3.46%
Palmitoleic Acid 16:1	0.34%
Oleic Acid 18:1	6.85%
Gadoleic Acid 20:1	0.15%
Linoleic Acid 18:2 n6	3.08%
a Linolenic Acid 18:3 n3	0.31%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.34%
Total n6	3.11%
Total Mono Unsaturated Fats	7.41%
Total Polyunsaturated Fats	3.55%
Total Saturated Fats	9.35%

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.