



## Diet SF08-002

## VDRKO Rescue Diet

A semi-pure diet formulation for Vitamin D Receptor Knock-Out laboratory rats and mice based on AIN-93G. Some modifications have been made to the original formulation to suit locally available raw materials.

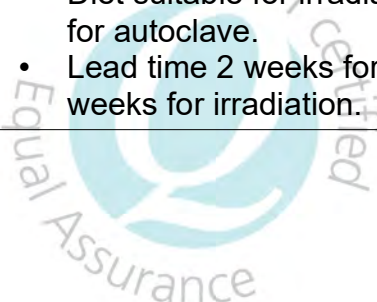
- Lactose has been included at 200 g/Kg
- Calcium has been increased to 2.0%
- Phosphorous has been increased to 1.2%

Calculated Nutritional Parameters	
Protein	19.40%
Total Fat	7.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	15.3 MJ / Kg
% Total calculated digestible energy from lipids	16.70%
% Total calculated digestible energy from protein	22.30%

Ingredients	
Casein (Acid)	200 g/Kg
Lactose	200 g/Kg
Sucrose	100 g/Kg
Canola Oil	70 g/Kg
Cellulose	50 g/Kg
Wheat Starch	144 g/Kg
Dextrinised Starch	132 g/Kg
L Methionine	3.0 g/Kg
Calcium Carbonate	26 g/Kg
Dicalcium Phosphate	47 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

### Diet Form and Features

- Semi pure diet. 12 mm diameter pellets.
- 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.



Calculated Essential Amino Acids as Fed	
Valine	1.25%
Leucine	1.71%
Isoleucine	0.94%
Threonine	0.79%
Methionine	0.83%
Cysteine	0.08%
Lysine	1.42%
Phenylalanine	0.93%
Tyrosine	0.97%
Tryptophan	0.17%
Arginine	0.71%
Histidine	0.52%

Calculated Total Vitamins as Fed	
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)	6.1 mg/Kg
Vitamin B2 (Riboflavin)	6.3 mg/Kg
Niacin (Nicotinic acid)	30 mg/Kg
Vitamin B6 (Pryridoxine)	7 mg/Kg
Pantothenic Acid	16.5 mg/Kg
Biotin	200 ug/Kg
Folic Acid	2 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	103 ug/Kg
Choline	1670 mg/Kg

Calculated Total Minerals as Fed	
Calcium	2.39%
Phosphorous	1.18%
Magnesium	0.09%
Sodium	0.14%
Chloride	0.16%
Potassium	0.39%
Sulphur	0.22%
Iron	92 mg/Kg
Copper	10.7 mg/Kg
Iodine	0.2 mg/Kg
Manganese	27 mg/Kg
Cobalt	No data
Zinc	50 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	3.0 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Fatty Acid Composition as Fed	
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.30%
Stearic Acid 18:0	0.14%
Palmitoleic Acid 16:1	0.02%
Oleic Acid 18:1	3.89%
Gadoleic Acid 20:1	0.07%
Linoleic Acid 18:2 n6	1.51%
a Linolenic Acid 18:3 n3	0.98%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.98%
Total n6	1.51%
Total Mono Unsaturated Fats	3.98%
Total Polyunsaturated Fats	2.50%
Total Saturated Fats	0.50%

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 autoclave 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.