



## Diet LDC-2010c

## Lieber DeCarli Control Diet

A semi-pure diet formulation for laboratory rats and mice based on Lieber Decarli. Modifications have been made to the original diet design to suit locally available raw materials and using AIN 93 Vitamins and minerals.

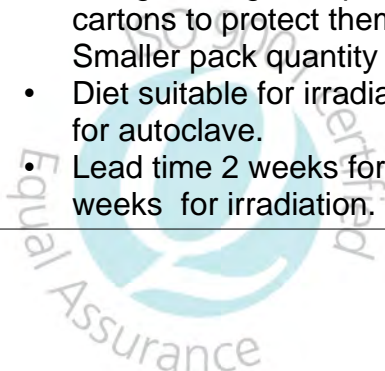
- The control diet is made to a batch size of 221.8 g. For use the diet should be mixed with 778.2 g water. Energy from this mix is 1Kcal/ml from this 35% of total energy is derived from fat, 18% derived from protein and 47% from carbohydrates.

Calculated Nutritional Parameters As Fed	
Protein	4.1%
Total Fat	3.9%
Total Carbohydrate	10.5%
Crude Fibre	1.2%
AD Fibre	1.2%
Digestible Energy	4 MJ / Kg
% Total calculated digestible energy from lipids	35.0%
% Total calculated digestible energy from protein	18.0%

Ingredients- Dry Weight	
Casein (Acid)	186 g/Kg
Maize Oil	38 g/Kg
Olive Oil	128 g/Kg
Safflower Oil	12 g/Kg
Cellulose	45 g/Kg
Gem Gel Starch	528 g/Kg
L Methionine	3.8 g/Kg
Calcium Carbonate	14.8 g/Kg
Sodium Chloride	2.9 g/Kg
AIN93 Trace Minerals	1.5 g/Kg
Potassium Citrate	2.8 g/Kg
Potassium Dihydrogen Phosphate	7.7 g/Kg
Potassium Sulphate	1.8 g/Kg
Choline Chloride (75%)	2.1 g/Kg
AIN93 Vitamins	11.3 g/Kg
Xanthan Gum	13.5 g/Kg

### Diet Form and Features

- Semi pure diet. Powder.
- Pack size 222 g, 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- As Fed	
Valine	0.26%
Leucine	0.37%
Isoleucine	0.18%
Threonine	0.16%
Methionine	0.18%
Cysteine	0.01%
Lysine	0.30%
Phenylalanine	0.20%
Tyrosine	0.22%
Tryptophan	0.06%

Calculated Total Vitamins- As Fed	
Vitamin A (Retinol)	1 000 IU/Kg
Vitamin D (Cholecalciferol)	250 IU/Kg
Vitamin E (a Tocopherol acetate)	19 mg/Kg
Vitamin K (Menadione)	0.2 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	1.5 mg/Kg
Vitamin B2 (Riboflavin)	1.6 mg/Kg
Niacin (Nicotinic acid)	7.6 mg/Kg
Vitamin B6 (Pryridoxine)	1.8 mg/Kg
Pantothenic Acid	4.1 mg/Kg
Biotin	50 ug/Kg
Folic Acid	0.5 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	26 ug/Kg
Choline	270 mg/Kg

Calculated Total Minerals- As Fed	
Calcium	0.12%
Phosphorous	0.07%
Magnesium	0.02%
Sodium	0.05%
Chloride	0.04%
Potassium	0.10%
Sulphur	0.04%
Iron	16 mg/Kg
Copper	1.6 mg/Kg
Iodine	0.05 mg/Kg
Manganese	4 mg/Kg
Cobalt	No data
Zinc	11 mg/Kg
Molybdenum	0.04 mg/Kg
Selenium	0.07 mg/Kg
Cadmium	No data
Chromium	0.2 mg/Kg
Fluoride	0.2 mg/Kg
Lithium	0.02 mg/Kg
Boron	0.9 mg/Kg
Nickel	0.1 mg/Kg
Vanadium	0.02 mg/Kg

Calculated Fatty Acid Composition- As Fed	
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.44%
Stearic Acid 18:0	0.09%
Palmitoleic Acid 16:1	0.03%
Oleic Acid 18:1	2.39%
Gadoleic Acid 20:1	0.01%
Linoleic Acid 18:2 n6	0.93%
a Linolenic Acid 18:3 n3	0.02%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.02%
Total n6	0.93%
Total Mono Unsaturated Fats	2.43%
Total Polyunsaturated Fats	1.00%
Total Saturated Fats	0.53%

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.