

DESCRIPTION

Rumilab[®] Diet is a complete life cycle diet formulated for a variety of ruminant species. This is a high-roughage, natural-protein product formulated to minimize the occurrence of urinary tract stones. This diet is formulated to provide optimum roughage for most ruminants maintained in a laboratory environment. Supplemental roughage in the form of hay may be beneficial in certain animals. This diet is a complete life cycle diet formulated using managed formulation, delivering Constant Nutrition[®]. This is paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies.

Features and Benefits

- [Managed Formulation delivers Constant Nutrition[®]](#)
- Contains natural protein sources, no added urea
- Contains ammonium sulfate to support urinary tract health
- Pelleted diet for uniform distribution of nutrients

Product Forms Available

- Pellet, 1/4" x 1/2", 50 lb

Catalog

0001405

GUARANTEED ANALYSIS

Crude protein not less than	13.50%
Crude fat not less than	1.50%
Crude fiber not more than	25.00%
Acid Detergent Fiber not more than	31.00%
Ash not more than	8.00%
Calcium not less than	0.56%
Calcium not more than	1.06%
Phosphorus not less than	0.30%
Salt not less than	1.00%
Salt not more than	1.50%
Sodium not more than	0.75%
Potassium not less than	1.00%
Selenium not less than	0.30 ppm
Vitamin A not less than	6500 IU/lb

(This includes not more than 1.00% equivalent crude protein from non-protein nitrogen)

INGREDIENTS

Dehydrated Alfalfa Meal, Wheat Middlings, Cottonseed Hulls, Ground Soybean Hulls, Ground Oats, Dehulled Soybean Meal, Cane Molasses, Salt, Calcium Carbonate, Ammonium Sulfate, dl-Alpha Tocopheryl Acetate (Vitamin E), Zinc Sulfate, Vitamin A Acetate, Cholecalciferol (Vitamin D3), Manganese Sulfate, Zinc Oxide, Manganous Oxide, Ferrous Sulfate, Potassium Iodide, Sodium Molybdate, Sodium Selenite, Cobalt Carbonate.

FEEDING DIRECTIONS

Feed as a complete ration with limited roughage to laboratory animals in amounts to maintain desired body condition.

Follow these management practices:

1. When making a ration change, allow 7-10 days for animals to adjust to the new ration
2. Provide a source of fresh, clean water at all times.
3. Keep adequate supply of complete feed, normally 2-3% of the animal's body weight, available to laboratory ruminants. Do not allow fine material to accumulate in feeders.
4. Provide adequate bunk space for each animal. Bunks should be protected and well managed to prevent feed from becoming wet and moldy.
5. When fed from self-feeder, adjust feeder to minimize quantity of feed accumulating in trough.
6. Consult your veterinarian for recommended health program for your local area, including internal and external parasite control.

Caution: Store in dry area away from insects. Do not feed moldy or insect-infested feed to animals as illness, abortion or death may result.

For information regarding shelf life please visit www.labdiet.com.

CHEMICAL COMPOSITION¹

Nutrients²

Protein, %	14.4	Iron, ppm	260
Arginine, %	0.74	Zinc, ppm	120
Cystine, %	0.23	Manganese, ppm	140
Glycine, %	0.55	Copper, ppm	10
Histidine, %	0.32	Cobalt, ppm	1.2
Isoleucine, %	0.64	Iodine, ppm	0.97
Leucine, %	0.91	Chromium (added), ppm	0.02
Lysine, %	0.65	Selenium, ppm	0.72
Methionine, %	0.19		
Phenylalanine, %	0.60		
Tyrosine, %	0.38		
Threonine, %	0.48		
Tryptophan, %	0.16		
Valine, %	0.62		
Serine, %	0.62		
Aspartic Acid, %	1.35		
Glutamic Acid, %	2.28		
Alanine, %	0.65		
Proline, %	0.76		
Taurine, %	0.00		

Fat (ether extract), %	2.1
Fat (acid hydrolysis), %	3.2
Cholesterol, ppm	0
Linoleic Acid, %	0.76
Linolenic Acid, %	0.18
Arachidonic Acid, %	0.00
Omega-3 Fatty Acids, %	0.26
Total Saturated Fatty Acids, %	0.39
Total Monounsaturated	
Fatty Acids, %	0.34

Fiber (Crude), %	23.3
Neutral Detergent Fiber ³ , %	45.4
Acid Detergent Fiber ⁴ , %	30.5
Nitrogen-Free Extract	
(by difference), %	43.2
Starch, %	10.2
Sucrose, %	1.48
Total Digestible Nutrients, %	57.5
Gross Energy, kcal/gm	2.92
Physiological Fuel Value⁵,	
kcal/gm	2.50
Metabolizable Energy,	
kcal/gm	1.70

Minerals	
Ash, %	6.2
Calcium, %	0.81
Phosphorus, %	0.41
Phosphorus (non-phytate), %	0.19
Potassium, %	1.33
Magnesium, %	0.26
Sulfur, %	0.30
Sodium, %	0.52
Chloride, %	0.95
Fluorine, ppm	1.8

Vitamins

Carotene, ppm	13
Vitamin K, ppm	2.4
Thiamin, ppm	5.4
Riboflavin, ppm	3.8
Niacin, ppm	37
Pantothenic Acid, ppm	10
Choline, ppm	760
Folic Acid, ppm	1.1
Pyridoxine, ppm	3.1
Biotin, ppm	0.20
B ₁₂ , mcg/kg	0
Vitamin A, IU/gm	14
Vitamin D ₃ (added), IU/gm	1.5
Vitamin E, IU/kg	430
Ascorbic Acid, mg/gm	0.0

Calories provided by:

Protein, %	23.064
Fat (ether extract), %	7.697
Carbohydrates, %	69.239

1. Formulation based on calculated values from the latest ingredient analysis information. Since nutrient composition of natural ingredients varies and some nutrient loss will occur due to manufacturing processes, analysis will differ accordingly.
2. Nutrients expressed as percent of ration except where otherwise indicated. Moisture content is assumed to be 10.0% for the purpose of calculations.
3. NDF = approximately cellulose, hemicellulose and lignin.
4. ADF = approximately cellulose and lignin.
5. Physiological Fuel Value (kcal/gm) = Sum of decimal fractions of protein, fat and carbohydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.

NOTE: When assayed, actual levels may vary from calculated values.