PMI® Micro-Stabilized Alcohol Rabbit Liquid Diet LD304A*

Technical Data

DESCRIPTION

This Rabbit Liquid Diet is nutritionally balanced with excellent palatability. Its purpose is to provide the daily dietary nutrients for animals and can be used to provide dietary test substances where solid diets are not appropriate. Stabilized against microbial growth for 10 days.

Features and Benefits

- · Nutritionally-balanced
- · Volatile ingredients can be included
- Easily prepared
- Provides stable nutrients
- · Shipped in dry form to simplify storage, shipping and stability
- · Minimal foaming
- Fully suspended
- Stabilized against microbial growth

Product Forms Available Drv Powder

GUARANTEED ANALYSIS

0058876 (530L)

Catalog #

Grude protein not less than
Crude fat not less than
Crude fiber not more than 12.00%
Ash not more than
* Composition of diet after it has been prepared according to diet
preparation instructions

* Diet Preparation Instructions: To the appropriate grams of water indicated in the chart, add 208 gms. Micro-Stabilized Rabbit Liquid Diet mix (LD 304A). Blend vigorously for 15-30 seconds with a mechanical blender until completely suspended. For best results add water to blender before dry mix.

Additional Considerations:

· For best results a mechanical blender should be used for diet preparation; hand blending does not suspend the diet adequately to avoid some settling out of undissolved ingredients.

• Do not over-blend; excessive mechanical blending creates foaming. INGREDIENTS

Isolated soy protein, maltodextrin, dextose, alfalfa meal, lactose, olive oil, soy fiber, sucrose, corn oil, suspension colloid, safflower oil, Lcystine, DL-methionine, natural flavors, vitamin A acetate, cholecalciferol, dl-alpha tocopheryl acetate, menadione sodium bisulfite (source of vitamin K), ascorbic acid, cyanocobalamin, citric acid, thiamin mononitrate, riboflavin, calcium pantothenate, nicotinic acid, choline bitartrate, pyridoxine hydrochloride, folic acid, inositol, p-aminobenzo ic acid, propionic acid, biotin, calcium acetate, fumaric acid, potassium phosphate, potassium sorbate, magnesium sulfate, sodium chloride, manganese sulfate, ferrous fumarate, zinc chloride, cupric sulfate, chromium chloride, sodium fluoride, ammonium molybdate, calcium iodate, sodium selenite.

FEEDING DIRECTIONS

About 350-360 gms of the diet (varies with animal size) needs to be consumed per animal per day to sustain a normal daily weight gain. The growth rate needs to be similar to that attained by young rabbits when maintained on good quality, non-purified rabbit diets. Prepare as needed (daily if necessary) and always refrigerate to minimize any loss of nutrients after preparation. We advise preparation of fresh diet (if not daily) every 4 days even though bacterial growth is not occurring. Always make certain that good suspension is maintained in the prepared diet. Additional water may be provided from separate drinking tubes, but may not be consumed. Animals need to adjust to their surroundings and conditions. After this period, provide some of this liquid diet to the animal while its regular feed is present. Over a 5-10 day period gradually reduce the regular feed until it is no longer needed. This adjustment period is critical to allow the intestinal/cecal microflora to adjust and thus avoid potential imbalances to develop where unhealthy animals could result. An animal that does not seem to adjust properly should be removed from the treatment.

For information regarding shelf life please visit <u>www.labdiet.com</u>.

CHEMICAL COMPOSITION'

Nutrients ²	Recon- stituded ²	Dry Powde
Protein, %	6.06	29.1
Arginine, %	0.42	2.01
Cystine, %	0.10	0.50
Glycine, %	0.26	1.23
Histidine, %	0.15	0.74
Isoleucine, %	0.30	1.45
Leucine, %	0.48	2.29
Lysine, %	0.35	1.69
Methionine, %	0.12	0.58
Phenylalanine, %	0.30	1.46
Tyrosine, %	0.21	1.02
Threonine, %	0.22	1.08
Tryptophan, %	0.07	0.34
Valine, %	0.29	1.41
Aspartic Acid, %	0.13	0.61
Glutamic Acid, %	0.09	0.44
Fat (ether extract), %	2.03	9.8
Fiber (Crude), %	2.10	10.2

Vitamins

Vitamin K, ppm0.72	3.5
Thiamin, ppm1.7	8.2
Riboflavin, ppm2.0	9.6
Niacin, ppm9.4	45
Pantothenic Acid, ppm4.4	21
Choline Chloride, ppm330	1580
Folic Acid, ppm0.70	3.4
Pyridoxine, ppm1.6	7.4
Biotin, ppm0.07	0.32
Inositol, ppm25	109
p-aminobenzoic acid, ppm12.5	54
B ₁₂ , mcg/kg25	120
Vitamin A, IU/gm3.0	14
Vitamin D_3 (added), IU/gm 0.40	1.9
Vitamin E, IU/kg34	162
Ascorbic Acid, mg/gm10	49

Calories provided by:

Fiber (Crude), %2.10	10.2	Protein, kcal/kg262
		Fat, Kcal/kg183
Minerals		Carbohydrates, kcal/kg
Calcium, %0.22	1.03	*Energy Levels used (kcal/gm)
Phosphorus, %0.13	0.62	Protein = 4.25; Fat = 9.00; Maltodextrin =
Potassium, %0.26	1.27	4.00; Ethanol = 7.07. The protein value is
Magnesium, %0.04	0.21	different than the 4 kcal/gm for protein, as generally used.
Sulfur, %0.10	0.47	* 1 kilogram of diet in liquid form, when
Sodium, %0.09	0.45	prepared according to directions, provides
Chloride, %0.08	0.38	1000 kilocalories (1 kcal per gram).
Fluorine, ppm0.35	1.70	Alcoholism: Clinical and Experimental
Iron, ppm	220	Research 6: 523-531. Miller, SS, ME Gold-
Zinc, ppm11	52	man, CK Erickson & RL Shorey (1980)
Manganese, ppm16	78	Psychopharmacology 68: 55-59.
Copper, ppm3.7	18	1.Based on the latest ingredient analysis
Chromium (added), ppm0.67	3.2	information.
Iodine, ppm0.06	0.31	2. Values are based upon the liquid form
Molybdenum, ppm0.14	0.50	of the diet when prepared according to directions (230 gm dry powder with 770
Selenium, ppm0.03	0.14	gm water).

PMI® Micro-Stabilized Rabbit Liquid Diet (LD 304A) Diet Preparation Chart

Diet composition varies according to the amount of alcohol added to maintain an isocaloric diet. The following chart indicates the amount of water, PMI® Micro-Stabilized Rabbit Liquid Diet LD 304A mix (Dry Mix), PMI® Maltodextrin LD 104, and ethanol to be used to make one kilogram of liquid diet. % Ca

lories from Ethanol	gms. Water	gms. dry mix	gms. Maltodextrin	gms. Ethanol
30	748.5	208	0	43.5
20	738.0	208	25.0	29.0
10	727.5	208	50.0	14.5
0	792	208	75.0	0

For Calculation purposes:

• 208 gms. dry Alcohol Rabbit Liquid Diet mix=700 kcal.

• Ethanol=7.07 kcal/gm

• PMI® Maltodextrin LD 104=4.0 kcal/gm

