PMI® Micro-Stabilized Alcohol Rodent Liquid Diet

**Technical Data**

**Description**
Diet LD 101A is a dry powder used to prepare a liquid diet for rodents in alcohol studies. The powder is designed to be mixed with alcohol and carbohydrates (maltodextrin) prior to feeding. When mixed according to instructions, it provides a similar level of nutrition as LD 101.

**Features and Benefits**
- Nutritionally-balanced
- Volatile ingredients can be included
- Best results add water to blender before dry mix.
- Ethanol = 7.07 kcal/gm
- Protein = 4.0 kcal/gm
- Carbohydrates = 4.0 kcal/gm
- Fat (ether extract) = 3.9 kcal/gm
- Vitamin A = 3.0 IU/gm
- Vitamin D₃ (added), IU/gm = 0.40
- Vitamin E, IU/kg = 30
- Vitamin K₃ = 0.4 IU/gm
- Thiamin = 0.11 mg/gm
- Riboflavin = 0.06 mg/gm
- Niacin = 0.14 mg/gm
- Pantothenic acid = 0.23 mg/gm
- Pyridoxine = 0.05 mg/gm
- B₆, mg/kg = 0.25
- Ascorbic acid = 0.35 mg/gm
- Vitamin A acetate = 300 IU/gm
- Cholecalciferol = 50 mg/kg
- dl-alpha tocopheryl acetate = 1000 IU/gm
- Menadione = 0.05 mg/gm
- dl-α-tocopherol = 80 IU/gm
- Vitamin B₁₂, µg/kg = 0.3
- Biotin = 0.06 µg/gm
- Cyanocobalamin = 0.06 µg/gm
- Copper = 10 µg/kg
- Zinc = 50 µg/kg
- Manganese = 200 µg/kg
- Iron = 200 µg/kg
- Molybdenum = 1 µg/kg
- Selenium = 5 µg/kg
- Chromium = 50 µg/kg
- Iodine = 0.05 µg/kg
- Copper = 80 mg/kg
- Chloride = 1000 mg/kg
- Phosphorus = 1000 mg/kg
- Sulfur = 200 mg/kg
- Calcium = 1000 mg/kg
- Magnesium = 500 mg/kg
- Potassium = 1000 mg/kg
- Sodium = 1000 mg/kg
- Alcohol = 7000 mg/kg

**Ingredients**
Vitamin-free casein, olive oil, maltodextrin, dried corn syrup, soy fiber, corn oil, suspension colloid, sulfurred oil, L-cystine, DL-methionine, vitamin A acetate, cholecalciferol, dl-alpha tocopheryl acetate, menadione dimethylpyrimidinol bisulfite (source of vitamin K₁), fumaric acid, citric acid, propionic acid, ascorbic acid, potassium sorbate, cyanocobalamin, thiamin mononitrate, riboflavin, calcium pantothenate, nicotinic acid, choline chloride, pyridoxine hydrochloride, folic acid, inositol, paminobenzoic acid, biotin, calcium acetate, calcium phosphate, potassium phosphate, sodium phosphate, magnesium sulfate, sodium chloride, manganese sulfate, ferrous fumarate, zinc chloride, cupric sulfate, chromium chloride, sodium fluoride, ammonium molybdate, calcium sulfate, sodium selenite.

**Feeding Directions**
Diet consumption will vary according to animal size and sex. An average rat should consume about 74-109 grams of liquid diet (17-25 grams dry diet) daily. The growth rate of rats maintained on this diet should be similar to that attained by young rats (55-100 grams) maintained on a good quality, nonpurified rodent diet. Mice should consume at least 20 grams of liquid diet per day. Allow new animals an adequate period of time to adjust to their surroundings. After they have adjusted, introduce the liquid diet gradually by offering some of the liquid diet while the regular diet is still present. Gradually decrease the amount of regular diet offered while increasing the amount of liquid diet over a 3-5 day period. Additional time for adjustment may be necessary for the ethanol diets. Prepare the diet as frequently as needed and always refrigerate to minimize loss of nutrients. Fresh diet should be prepared at least every 4 days. Although the diet may be bacteriologically sound for a longer period of time, diet more than 4 days old may have deteriorated nutritionally. Before using diet which has been prepared on a previous day, check to ensure all of the ingredients are in suspension. Remix if necessary. Additional water may be provided in separate drinking tubes, but may not be consumed.

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

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