

Laboratory Cage Layer Diet

5070*

DESCRIPTION

Laboratory Cage Layer Diet is a Constant Nutrition® diet formulated to meet the nutritional needs of cage laying poultry. It is formulated to help produce eggs with high shell quality. This diet is formulated using the unique and innovative concept of Constant Nutrition®, 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®**
- Formulated for cage layers
- Manufactured in drug-free plant which reduces the possibility of contaminants
- Meets the special nutrient needs of laboratory cage layers

Product Forms Available

- Pellet - Short Cut, 1/8"

GUARANTEED ANALYSIS

Crude protein not less than	17.5%
Crude fat not less than	3.0%
Crude fiber not more than	5.0%
Ash not more than	13.0%

INGREDIENTS

Ground corn, dehulled soybean meal, calcium carbonate, corn gluten meal, dehydrated alfalfa meal, dicalcium phosphate, soybean oil, wheat middlings, salt, choline chloride, DL-methionine, L-lysine, cholecalciferol, vitamin A acetate, calcium pantothenate, folic acid, riboflavin, menadione dimethylpyrimidinol bisulfite, pyridoxine hydrochloride, dl-alpha tocopheryl acetate, nicotinic acid, vitamin B₁₂ supplement, manganous oxide, zinc oxide, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, sodium selenite, cobalt carbonate.

FEEDING DIRECTIONS

Feed free-choice to laboratory cage layers. Keep plenty of fresh, clean water available to the hens at all times.

For shelf life information, please refer to our website at www.labdiet.com.

CHEMICAL COMPOSITION¹

Nutrients²

Protein, %	18.4
Arginine, %	1.06
Cystine, %	0.28
Glycine, %	0.84
Histidine, %	0.48
Isoleucine, %	0.90
Leucine, %	1.78
Lysine, %	0.92
Methionine, %	0.41
Phenylalanine, %	0.91
Tyrosine, %	0.57
Threonine, %	0.71
Tryptophan, %	0.22
Valine, %	0.94
Serine, %	1.02
Aspartic Acid, %	2.13
Glutamic Acid, %	4.03
Alanine, %	1.20
Proline, %	1.47
Taurine, %	<0.01

Fat (ether extract), % .3.6

Fat (acid hydrolysis), % .4.3

Cholesterol, ppm	.0
Linoleic Acid, %	2.01
Linolenic Acid, %	0.10
Arachidonic Acid, %	<0.01
Omega-3 Fatty Acids, %	0.10
Total Saturated Fatty Acids, %	0.54
Total Monounsaturated Fatty Acids, %	0.96

Fiber (Crude), % .2.7

Neutral Detergent Fiber³, % .10.7

Acid Detergent Fiber⁴, % .3.8

Nitrogen-Free Extract

(by difference), % .56.8

Starch, % .42.5

Glucose, % .0.36

Fructose, % .0.40

Sucrose, % .1.16

Lactose, % .0

Total Digestible Nutrients, % .72.1

Gross Energy, kcal/gm .3.87

Physiological Fuel Value⁵, kcal/gm .3.33

Metabolizable Energy, kcal/gm .2.88

Minerals

Ash, % .8.5

Calcium, % .3.28

Phosphorus, % .0.61

Phosphorus (non-phytate), % .0.41

Potassium, % .0.74

Magnesium, % .0.17

Sulfur, %	0.20
Sodium, %	0.18
Chloride, %	0.35
Fluorine, ppm	31
Iron, ppm	290
Zinc, ppm	98
Manganese, ppm	98
Copper, ppm	13
Cobalt, ppm	0.27
Iodine, ppm	0.47
Chromium, ppm	2.4
Selenium, ppm	0.26

Vitamins

Carotene, ppm	8.0
Vitamin K (as menadione), ppm	0.5
Thiamin Hydrochloride, ppm	3.4
Riboflavin, ppm	15
Niacin, ppm	64
Pantothenic Acid, ppm	20
Choline Chloride, ppm	2000
Folic Acid, ppm	2.4
Pyridoxine, ppm	4.2
Biotin, ppm	0.13
B ₁₂ , mcg/kg	17
Vitamin A, IU/gm	19
Vitamin D ₃ (added), IU/gm	3.0
Vitamin E, IU/kg	28
Ascorbic Acid, mg/gm	—

Calories provided by:

Protein, %	22.089
Fat (ether extract), %	9.724
Carbohydrates, %	68.187

*Product Code

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, hemi-cellulose 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.

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