

Advanced Protocol® Xenopus Diet

5LF9*

DESCRIPTION

Advanced Protocol® Xenopus Diet is a nutritionally complete gel diet designed for amphibians and carnivorous reptiles. 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. It is shipped as a powder made from fish, poultry, blood, krill, egg, spirulina algae, vitamins and minerals. It is designed to be made into a gel prior to feeding. Specially formulated for protocols when xenopus frogs need a balanced laboratory diet.

Features and Benefits

- Constant Nutrition® formula helps minimize nutritional variables
- Nutritionally complete - No vitamin and mineral supplementation needed.
- Soft-Moist gel - Highly palatable.

Product Forms Available

- Dry powder

GUARANTEED ANALYSIS

Crude protein not less than	55.0%
Crude fat not less than	15.0%
Crude fiber not more than	1.0%
Ash not more than	12.0%

INGREDIENTS

Fish meal, poultry by-product meal, fish oil, gelatin, blood meal, spirulina algae, betaine, krill, dried egg product, l-ascorbyl-2-polyphosphate, xanthan gum, choline bitartrate, pyridoxine hydrochloride, menadione sodium bisulfite, biotin, calcium pantothenate, inositol, canthaxanthin, cholecalciferol, d-alpha tocopheryl acetate, thiamin mononitrate, folic acid, beta carotene, nicotinic acid, tagetes extract, vitamin A acetate, riboflavin, ethoxyquin (a preservative), vitamin B₁₂ supplement, zinc oxide, cobalt carbonate, copper sulfate, ferrous carbonate, manganous oxide, calcium iodate, zinc sulfate.

MIXING DIRECTIONS

Mix with an appropriate amount of hot water (over 200° F). Blend with a spoon for one minute and pour into a flat pan to cool. Chill overnight in a refrigerator. Cut the gel by hand or with a food processor to obtain an appropriate size. Feed to amphibians and carnivorous reptiles.

The firmness of the gel is affected by the amount of water used. A good starting point is to use a 50:50 ration by weight of dry diet and water.

CHEMICAL COMPOSITION¹

Nutrients²

Protein, %	57.4
Arginine, %	3.75
Cystine, %	0.63
Glycine, %	4.91
Histidine, %	1.34
Isoleucine, %	3.07
Leucine, %	4.38
Lysine, %	4.14
Methionine, %	1.40
Phenylalanine, %	2.39
Tyrosine, %	1.15
Threonine, %	2.37
Tryptophan, %	0.56
Valine, %	3.47
Serine, %	2.06
Aspartic Acid, %	4.63
Glutamic Acid, %	6.16
Alanine, %	3.08
Proline, %	2.20
Taurine, %	0.18

Fat (ether extract), % 16.0

Fat (acid hydrolysis), % 16.8

Cholesterol, ppm	1870
Linoleic Acid, %	0.46
Linolenic Acid, %	0.20
Arachidonic Acid, %	0.23
Omega-3 Fatty Acids, %	3.58
Total Saturated Fatty Acids, %	5.66
Total Monounsaturated	
Fatty Acids, %	4.09

Fiber (Crude), % 0.7

Neutral Detergent Fiber³, % 0.0

Acid Detergent Fiber⁴, % 1.2

Nitrogen-Free Extract

(by difference), % 2.9

Starch, % 0.00

Glucose, % 0.00

Fructose, % 0.00

Sucrose, % 0.00

Lactose, % 0.00

Total Digestible Nutrients, % 73.6

Gross Energy, kcal/gm 4.98

Physiological Fuel Value⁵,

kcal/gm 3.91

Metabolizable Energy,

kcal/gm 2.12

Minerals

Ash, % 10.7

Calcium, % 3.00

Phosphorus, % 1.86

Phosphorus (non-phytate), % 1.77

Potassium, % 0.54

Magnesium, % 0.15

Sulfur, % 0.59

Sodium, % 0.50

Chlorine, % 0.70

Fluorine, ppm 0.31

Iron, ppm 0.690

Zinc, ppm 0.260

Manganese, ppm 0.100

Copper, ppm 0.15

Cobalt, ppm 0.26

Iodine, ppm 0.21

Chromium, ppm 0.14

Selenium, ppm 0.17

Vitamins

Carotene, ppm 30.3

Vitamin K (as menadione), ppm 0.50

Thiamin Hydrochloride, ppm 0.37

Riboflavin, ppm 0.31

Niacin, ppm 0.340

Pantothenic Acid, ppm 0.100

Choline Chloride, ppm 2800

Folic Acid, ppm 0.64

Pyridoxine, ppm 0.26

Biotin, ppm 0.11

B₁₂, mcg/kg 0.200

Vitamin A, IU/gm 0.20

Vitamin D₃ (added), IU/gm 0.38

Vitamin E, IU/kg 0.160

Ascorbic Acid, mg/gm 0.15

Calories provided by:

Protein, % 59.605

Fat (ether extract), % 37.383

Carbohydrates, % 3.012

*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.