

## DESCRIPTION

Advanced Protocol® Low Residue Porcine Surgery Mix is a Constant Nutrition® powdered diet low in fiber designed to be mixed with water and fed to porcine in preparation for surgery under conditions when it is desired to minimize gut-fill. In some situations it may be desired to feed this product during a period of 24 to 48 hours prior to surgery, followed by a fast for 24 hours before surgery. 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

- Constant Nutrition® formula helps minimize nutritional variables
- Highly digested, low residue in gut
- Complete nutrition containing all nutrients known to be required by porcine

### Product Forms Available

- Powder

## GUARANTEED ANALYSIS

Crude protein not less than	15.0%
Crude fat not less than	7.5%
Crude fiber not more than	1.0%
Ash not more than	5.0%

## INGREDIENTS

Rice flour, sucrose, casein, animal fat preserved with BHA, dried whey, dicalcium phosphate, calcium acetate, potassium chloride, salt, choline bitartrate, maltodextrin, magnesium oxide, ferrous sulfate, dl-alpha tocopheryl acetate, inositol, aminobenzoic acid, nicotinic acid, vitamin A acetate, calcium pantothenate, vitamin B<sub>12</sub> supplement, pyridoxine hydrochloride, thiamin mononitrate, riboflavin, cholecalciferol, folic acid, menadione dimethylpyrimidinol bisulfite, biotin, manganous oxide, zinc oxide, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, calcium carbonate, cobalt carbonate, sodium selenite.

## FEEDING DIRECTIONS

Mix with an appropriate amount of water immediately prior to feeding the animal. It may be necessary to mix using a wire "whip". A mixture of 37.5% water and 62.5% diet will yield a mixture with the consistency of mashed potatoes. A mixture of 43% water and 57% diet is smooth and will flow to level. At the above ratio there will be settling out of solid parts of the diet.

## CHEMICAL COMPOSITION<sup>1</sup>

<b>Nutrients<sup>2</sup></b>		
<b>Protein, %</b>	<b>15.1</b>	Sulfur, % . . . . .0.13
Arginine, % . . . . .	0.74	Sodium, % . . . . .0.25
Cystine, % . . . . .	0.10	Chlorine, % . . . . .0.84
Glycine, % . . . . .	0.63	Fluorine, ppm . . . . .0.03
Histidine, % . . . . .	0.40	Iron, ppm . . . . .175
Isoleucine, % . . . . .	1.06	Zinc, ppm . . . . .140
Leucine, % . . . . .	1.49	Manganese, ppm . . . . .135
Lysine, % . . . . .	1.08	Copper, ppm . . . . .20
Methionine, % . . . . .	0.45	Cobalt, ppm . . . . .0.48
Phenylalanine, % . . . . .	0.85	Iodine, ppm . . . . .2.2
Tyrosine, % . . . . .	0.92	Chromium, ppm . . . . .0.01
Threonine, % . . . . .	0.66	Selenium, ppm . . . . .0.12
Tryptophan, % . . . . .	0.19	
Valine, % . . . . .	1.13	<b>Vitamins</b>
Serine, % . . . . .	0.56	Carotene, ppm . . . . .0.0
Aspartic Acid, % . . . . .	0.83	Vitamin K (as menadione), ppm .1.2
Glutamic Acid, % . . . . .	2.22	Thiamin Hydrochloride, ppm .8.6
Alanine, % . . . . .	0.37	Riboflavin, ppm . . . . .8.7
Proline, % . . . . .	0.97	Niacin, ppm . . . . .38
Taurine, % . . . . .	0.00	Pantothenic Acid, ppm . . . . .22
<b>Fat (ether extract), %</b>	<b>8.0</b>	Choline Chloride, ppm . . . . .1700
<b>Fat (acid hydrolysis), %</b>	<b>8.0</b>	Folic Acid, ppm . . . . .2.6
Cholesterol, ppm . . . . .	3739	Pyridoxine, ppm . . . . .7.3
Linoleic Acid, % . . . . .	0.68	Biotin, ppm . . . . .0.30
Linolenic Acid, % . . . . .	0.01	B <sub>12</sub> , mcg/kg . . . . .130
Arachidonic Acid, % . . . . .	0.04	Vitamin A, IU/gm . . . . .15
Omega-3 Fatty Acids, % . . . . .	0.02	Vitamin D <sub>3</sub> (added), IU/gm . . .2.0
Total Saturated Fatty Acids, %	3.01	Vitamin E, IU/kg . . . . .150
Total Monounsaturated		Ascorbic Acid, mg/gm . . . . .—
Fatty Acids, % . . . . .	3.60	
<b>Fiber (Crude), %</b>	<b>0.5</b>	<b>Calories provided by:</b>
Neutral Detergent Fiber <sup>3</sup> , % . . .0.0		Protein, % . . . . .15.961
Acid Detergent Fiber <sup>4</sup> , % . . . . .0.5		Fat (ether extract), % . . . . .18.740
<b>Nitrogen-Free Extract</b>		Carbohydrates, % . . . . .65.299
<b>(by difference), %</b>	<b>61.8</b>	*Product Code
Starch, % . . . . .	0.00	1. Formulation based on calculated
Glucose, % . . . . .	0.00	values from the latest ingredient
Fructose, % . . . . .	0.00	analysis information. Since
Sucrose, % . . . . .	20.00	nutrient composition of natural
Lactose, % . . . . .	3.16	ingredients varies and some
<b>Total Digestible Nutrients, %</b>	<b>89.7</b>	nutrient loss will occur due to
<b>Gross Energy, kcal/gm</b>	<b>4.49</b>	manufacturing processes, analysis
<b>Physiological Fuel Value<sup>5</sup>,</b>		will differ accordingly.
<b>kcal/gm</b>	<b>3.79</b>	2. Nutrients expressed as percent of
<b>Metabolizable Energy,</b>		ration except where otherwise
<b>kcal/gm</b>	<b>3.44</b>	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 carbo-
		hydrate (use Nitrogen Free
		Extract) x 4,9,4 kcal/gm
		respectively.
<b>Minerals</b>		
<b>Ash, %</b>	<b>4.6</b>	
Calcium, % . . . . .	0.86	
Phosphorus, % . . . . .	0.51	
Phosphorus (non-phytate), % . .0.48		
Potassium, % . . . . .	0.55	
Magnesium, % . . . . .	0.04	