

Benefits of Proteinex® and Proteinex® 18 use are:

- Provides a high content of protein in a small dose.
- May be used by patients with fluid restrictions.
- Easily absorbed.
- May be used with feeding tubes - does not clog tube.
- Ready to use, no mixing required.
- Helps to repair tissues and prevent tissue breakdown.
- Does not contain sugar, fat, carbohydrates or phosphorus.
- Is cost effective.
- Has long shelf life.
- Provides all essential and non essential amino acids.
- PDCAAS of 100%.
- Helps promote wound healing of pressure ulcers and burns.
- Improves low albumin levels.
- Improved protein intake for patients with poor appetite and/or poor food intake.
- Added protein source for pre and post surgical patients.
- A concentrated protein source for Bariatric Surgery Patients.
- Helps provide extra protein without adding extra fluids for ESRD and dialysis patients.
- May be mixed with any food or beverage the patient may choose.

Proteinex® and Proteinex® 18

Proteinex® and Proteinex® 18 Liquid are liquid predigested protein sources. The product is already broken down to its amino acid portions that the body can easily assimilate and absorb.

There are twenty different amino acids that can be combined in an almost infinite number of ways to make up all of the thousands of proteins your body may need. Of these twenty, the human body manufacture ten and the other ten "essential amino acids" must be supplied by dietary intake. The ten "essentials" are Arginine, Histidine, Leucine, Isoleucine, Lysine, Methionine, Phenylalanine, Threonine, Valine and Tryptophan.

Studies on Arginine have shown that it improves immune responses to bacteria, viruses and tumor cells. It has also been found to promote wound healing and aids in regeneration of the liver. It also is an aid in release of growth hormones.

Histidine is found in large quantity in blood hemoglobin. It has been used in the treatment of rheumatoid arthritis, allergic diseases, ulcers and anemia. A deficiency of Histidine can result in a hearing deficit.

Leucine and Isoleucine provide ingredients for the synthesizing of other essential biochemical components which are utilized in energy production, stimulation of the brain cumex and mental alertness.

Lysine ensures the adequate absorption of calcium, helps form collagen, aids in antibody, hormone and enzyme production. A lysine deficiency may result in tiredness, lack of focus, irritability, slow growth, hair loss or anemia.

The main supplier of sulfur for maintaining hair, skin and nails is Methionine. It helps lower cholesterol by increasing the liver's output of lecithin. It is also a natural chelating agent for heavy metals.

Phenylalanine is utilized by the brain in producing norepinephrine, a compound used to transmit signals between the brain and nerve cells. It also supports alertness and memory as well as reduces hunger pangs.

Threonine is utilized in collagen, elastin and enamel protein. It helps the intestinal tract to function smoothly as well as assist in metabolism and nutrient assimilation.

Tryptophan is a precursor for serotonin (a neurotransmitter), melatonin (a neurohormone), and niacin, and is considered by many as a good sleep inducing agent.

When the human body is injured, it will utilize these amino acids for healing. But if one or more of the essential amino acids is missing due to poor diet then the repair cannot be made and further breakdown of the body will likely follow. Both Proteinex® and Proteinex® 18 contain all the essential amino acids as well as the non-essential amino acids. A one ounce dose of Proteinex® 18 provides 18 grams of pure predigested protein with zero fat, sugar, phosphorus or carbohydrates. A one ounce dose of Proteinex® provides 15 grams of pure predigested protein.

Kosher(K)-The pharmaceutical gelatin has been specially prepared and approved as Kosher and Pareve for year round and Passover use in accordance with Jewish Law.



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Disclaimer: The information contained above is intended for general reference purposes only. It is not a substitute for professional medical advice or a medical exam. Always seek the advice of your physician or other qualified health professional before starting any new treatment.



PROTEINEX®

LIQUID PREDIGESTED PROTEIN



NEW & IMPROVED

Building blocks for the human body.

A Significant Source of Protein
which supplies essential amino acids.
Derived by Hydrolyzing the Animal Protein Collagen

Visit us on the web: www.llorenspfarm.com

PROTEINEX®

PROTEINEX® -18

Now contains all the essential amino acids.



Nutritional information per serving:
Serving Size: Two tablespoons (30ml)

Protein (grams)	15
Calories	60
Fat (grams)	0
Sugar	0
Phosphorus	0
Carbohydrates (grams)	0
Sodium (mg)	4
Potassium (mg)	11

- NO**
- Fat /Sugar
 - Carbohydrates
 - Phosphorus
 - Lactose
 - Gluten

Protein weight expressed as free amino acids.

- L-Arginine 1200mg
- L-Histidine 110mg
- L-Isoleucine 200mg
- L-Leucine 450mg
- L-Tryptophan 66mg
- L-Lysine 650mg
- L-Methionine 110mg
- L-Phenylalanine 350mg
- L-Threonine 300mg
- L-Valine 340mg

Percent dissolved Collagen in Proteinex® Liquid: 45 to 49%

Contains: Purified water, hydrolyzed collagen, citric acid (anhydrous), potassium sorbate, calcium saccharin, natural and artificial flavor, propylene glycol, propylparaben, methylparaben.

Percentage of U.S. recommended daily allowances (U.S. RDA) Protein...26%. Contains less than 2% of the U.S. RDA of Vitamin A, Vitamin C, Thiamine, Riboflavin, Niacin, Calcium and Iron.

NDC:54859-515-16

Supplied in bottles of 1oz, 8oz, 16oz. & 30oz.

PDCAAS of 100%

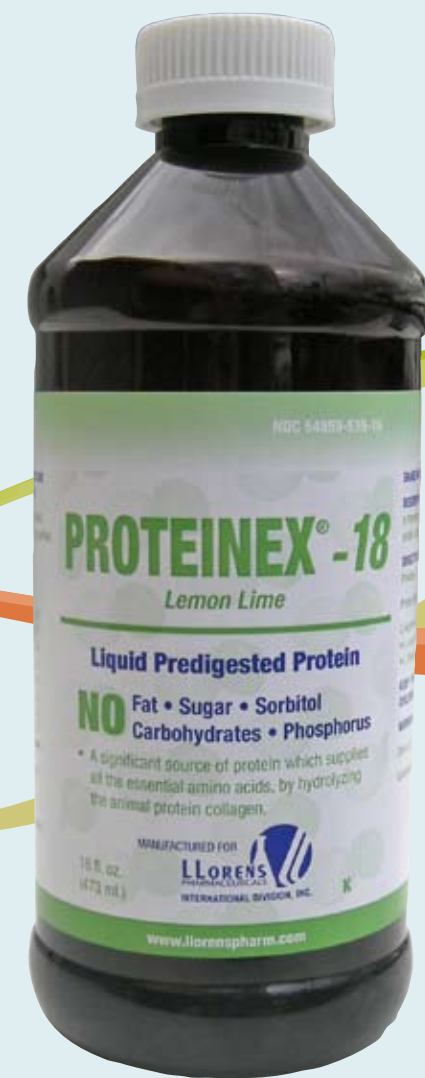
PROTEINEX® AMINO ACID PROFILE PER 1OZ (34.86G)

Arginine*	1.19-1.32	Threonine*	0.30-0.33	Hydroxyproline	1.98-2.19
Histidine*	0.15-0.19	Tryptophan*	0.066-0.073	Proline	1.96-2.09
Isoleucine*	0.22-0.23	Alanine	1.11-1.47	Serine	0.54-0.58
Leucine*	0.46-0.49	Aspartic acid	0.95-1.01	Tyrosine	0.10-0.38
Lysine*	0.61-0.66	Cystine	0.01-0.02	Valine*	0.34-0.38
Methionine*	0.24-0.25	Glutamic acid	1.43-1.59		
Phenylalanine*	0.29-0.32	Glycine	3.05-4.15		

*Essential Amino Acids

KEEP THIS AND ALL MEDICATIONS OUT OF THE REACH OF CHILDREN

Warning Phenylketonurics: contains phenylalanine. Store at controlled room temperature 15°-30°C (59°-86°F).



NDC:54859-535-16

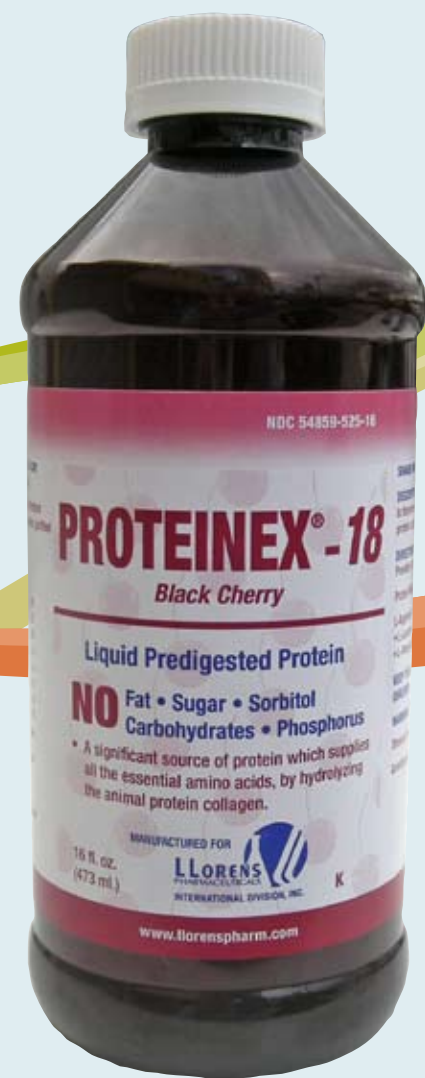
Supplied in bottles of 1oz, 8oz, 16oz. & 30oz.

PDCAAS of 100%

PROTEINEX®-18 AMINO ACID PROFILE PER 1OZ (37.62G)

Arginine*	1.38-1.53	Threonine*	0.34-0.39	Hydroxyproline	2.29-2.54
Histidine*	0.18-0.22	Tryptophan*	0.066-0.073	Proline	2.27-2.42
Isoleucine*	0.25-0.27	Alanine	1.29-1.71	Serine	0.62-0.67
Leucine*	0.53-0.57	Aspartic acid	1.10-1.17	Tyrosine	0.12-0.44
Lysine*	0.71-0.76	Cystine	0.02-0.03	Valine*	0.39-0.44
Methionine*	0.27-0.28	Glutamic acid	1.65-1.84		
Phenylalanine*	0.33-0.37	Glycine	3.53-4.80		

*Essential Amino Acids



NDC:54859-525-16

Nutritional information per serving:
Serving Size: Two tablespoons (30ml)

Protein (grams)	18
Calories	72
Fat (grams)	0
Sugar	0
Phosphorus	0
Carbohydrates (grams)	0
Sodium (mg)	5
Potassium (mg)	13

Protein weight expressed as free amino acids.

- L-Arginine 1440mg
- L-Histidine 132mg
- L-Isoleucine 240mg
- L-Leucine 540mg
- L-Tryptophan 66mg
- L-Lysine 780mg
- L-Methionine 132mg
- L-Phenylalanine 420mg
- L-Threonine 360mg
- L-Valine 390mg

Percent dissolved Collagen in Proteinex® Liquid: 54 to 59%

Contains: Purified water, hydrolyzed collagen, potassium sorbate, methylparaben, propylene glycol, propylparaben, calcium saccharin, natural and artificial flavor.

Percentage of U.S. recommended daily allowances (U.S. RDA) Protein...30%. Contains less than 2% of the U.S. RDA of Vitamin A, Vitamin C, Thiamine, Riboflavin, Niacin, Calcium and Iron.

