



## NT Factor®

### DESCRIPTION

NT Factor® is a nutrient complex rich in phosphoglycolipids, which are essential for the structure, function and regeneration of all biological membranes.

Bifidobacterium, L. Bacillus, L-Acidophilus: freeze-dried and microencapsulated in a state of suspended animation with potential to form friendly microflora colonies.

**Growth Media** - foods and bacteria growth factors to support microflora colonies including defatted rice bran, arginine, beet root fiber, black strap molasses, glycine, magnesium sulfate, para-amino benzoate, leek, pantethine (bifido growth factor), taurine, garlic, calcium borogluconate, omega-6 fatty acids, omega-3 fatty acids, artichoke, potassium citrate, calcium sulfate, spirulina, bromelain, natural vitamin E, calcium ascorbate, alpha-lipoic acid, oligosaccharides, B-6, niacinamide, riboflavin, inositol, niacin, calcium pantothenate, thiamin, B-12, folic acid, chromium picolinate.

### MECHANISM OF ACTION

Preventing loss of membrane integrity due to damaged components and the resultant loss of cellular energy may be accomplished, in part, by replacement of damaged lipids. Among the important cell membrane lipids, polyunsaturated phosphatidyl-choline (PPC) molecules supplied by NT Factor® are essential for the structure, function, and regeneration of all biological membranes. Since cell membranes will incorporate exogenous PPC (derived from soybean semen), dietary supplementation is a logical first step in the restoration process.

### PUBLISHED RESEARCH STUDIES\*

A scientific study<sup>1</sup> was conducted to determine whether fatigue, as defined by the Piper Fatigue Scale (PFS), could be significantly relieved by use of a phosphoglycolipid-rich dietary supplement (NT Factor®) in a targeted sampling of the general population. Sixty four (64) subjects completed the self-reported PFS and were admitted to the study when their self-reported sign/symptom severity scores were converted to fatigue scores and rated as high moderate to severe fatigue. The PFS has been shown to reflect accurately the multifactorial nature of fatigue through statistical factor analysis and clinical studies. Using the Piper Fatigue Scale, there was a 33% reduction in fatigue after eight weeks on NT Factor®.

Fatigue is one of the most common complaints in chemotherapy patients, in addition to the numerous adverse reactions associated with the administration of chemotherapy. The effect of NT Factor® has been documented in a double-blind, crossover, placebo-controlled, randomized study on patients undergoing chemotherapy.<sup>2</sup> Thirty-six patients were enrolled in the 12-week pilot study. The results, assessed by the standard Quality of Life survey, indicated that a significant number of chemotherapy patients benefited from NT Factor® supplementation, significantly reducing fatigue, vomiting, nausea and diarrhea after 12 weeks. No reported adverse drug events considered to be severe were reported in the study.

Item number: AM207  
 Delivery system: Tablets  
 Amount per bottle: 90 tablets  
 Serving size: 2 tablets



### BENEFITS\*

- Nutrient compound with the potential to improve the structure and function of cell membrane
- Improves absorption of nutrients into cells
- Optimizes mitochondrial function and increases energy

### INGREDIENTS PER SERVING

Vitamin E	20 IU
Calcium	160 mg
Phosphorus	50 mg
Magnesium	50 mg
Alpha-Ketoglutaric Acid	120 mg
L-Carnitine-L-Tartrate	90 mg
L-Tyrosine	60 mg
Pantethine	50 mg
NT Factor®	1,350 mg

Other Ingredients: Microcrystalline cellulose, croscarmellose sodium, methyl cellulose, vegetable magnesium stearate, silica

NT Factor® is a nutrient complex extracted and prepared using proprietary processes. It is composed only of food components listed as:

**Phosphoglycolipids** - includes polyunsaturated phosphatidylcholine, glycolipids and other polyunsaturated phosphatidyl nutrients.

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Research conducted at The Institute for Molecular Medicine in Huntington Beach, CA<sup>3</sup> evaluated the effects of NT Factor<sup>®</sup> on mitochondrial function in an elderly population. Blood leukocytes were isolated for analysis of mitochondrial function by transport of Rhodamine-123, and the subjects were provided by open label the study product NT Factor<sup>®</sup>. Improvement of mitochondrial function in 8 weeks reached levels normally seen in early middle age. Continued use maintained improved levels.

#### ADVERSE REACTIONS

None known.

#### RECOMMENDED USE

**General health or mild fatigue:** 1 tablet, 3 times daily with meals.

**Moderate fatigue:** 2 tablets, 3 times daily with meals.

**Severe fatigue or while undergoing cytotoxic therapy:** 3 tablets, 3 times daily with meals.

Or take as recommended by a health care professional.

#### STORAGE

Store in a cool, dry area at room temperature.

#### REFERENCES

1. Ellithorpe, Rita R., Settineri, Robert A., Nicolson, Garth L. Pilot Study: Reduction of Fatigue by Use of a Dietary Supplement Containing Glycophospholipids. JANA 2003; Vol. 6, #1.
2. Colodny L., Lynch K., Farber C., Papsih S., Phillips K., Sanchez M., Cooper K., Pickus O., Palmer D., Percy TB., Faroqui M., Block JB. Results of a study to evaluate the use of Propax [with NT Factor<sup>™</sup>] to reduce adverse effects of chemotherapy. JANA 2001; 3:17-25.
3. Abstract presented at the Institute of Integrative Medicine Conference. Niagara Falls, Canada. October 2002.
4. Seidman, Michael D. "Polyunsaturated phosphatidylcholine in NT Factor<sup>™</sup> improves mitochondrial function, auditory sensitivity and may slow some of the aging processes." Anti-Aging Medical News. Winter 2001.
5. Seidman, Michael D., Khan, Mumtaz J., Tang, Wen Xue, Quirk, Wayne S. "Influence of lecithin [a polyunsaturated phosphatidylcholine] on mitochondrial DNA and age-related hearing loss." Otolaryngology-Head and Neck Surgery. September 2002.

\*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

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