# **P/S Support** Supports Healthy Adrenal Function

# **PRODUCT BENEFITS**\*

- Supports proper adrenal function
- Supports the body's ability to protect against oxidative damage
- Supports healthy moods
- Supports memory and cognition

P/S Support is a phospholipid formulation that can be useful in support of the HPA Axis, memory and cognition, healthy moods, normal cortisol levels, and protects against oxidative damage. It may also be helpful in supporting healthy blood sugar metabolism.

#### DIRECTIONS FOR USE

Take 2 capsules once per day, or as directed by your health care professional.

# STORAGE

Store in a cool, dry place away from direct sunlight. Product from unopened containers that have been stored under recommended conditions (55-85° F / 13-29° C) may be used for up to 36 months.

#### WARNING

Consult your health care professional before use if pregnant, nursing, taking medications, or for any use by minors. Do not use if safety seal is broken or missing. Keep out of reach of children.



## SUPPLEMENT FACTS

Serving size: 2 Capsules Servings per container: 30	Amount Per Serving	% Daily Value
Phosphatidylserine	420 mg	**
* Percent Daily Values are based on a 2000 calorie diet. ** Daily Value Not Established		

Other Ingredients: Gelatin (Capsule), Microcrystalline Cellulose, Magnesium Stearate.

#### P/S Support



### **REFERENCE LIST**

- Ameducci L, Crook TH, Lippi A, et al. Use of phosphatidylserine in Alzheimer's Disease. Ann Ny Acad Sci 1991 ;640:245-249.
- Bergh, F.T., et al. Dysregulation of the hypothalamo-pituitary- adrenal axis is related to the clinical course of MS. Neurology 53; 772-777,1999. Brambilla F, Maggioni M, Panerai AE, et al. Beta-endorphin concentration in peripheral blood mononuclear cells of elderly depressed patients effects on 2.
- 3 phosphatidylserine therapy. Neuropsychobiology 1996;34:18-21.
- 4. Brambilli F, Magioni M. Blood levels of cytokines in elderly patients with major depressive disorder. Acta Psychiatr Scand 1998;97: 309-313.
- 5. Brindly DN. Role of glucocorticoids and fatty acids in the impairment of lipid metabolism observed in metabolic syndrome. Int J Obes Reial Metab Disord 1995;19(Suppl 1 ):S69-75.
- Cenacchi T, Bertoldin T, Farina C, et al. Cognitive decline in the elderly: A double-6 blind, placebo controlled multicenter study on efficacy of phosphatidylserine administration. Aging Clin Ecp Res 1993;5:123-133.
- 7. Cenacchi T, Betoldin R, Farina C, et al. Cognitive decline in the elderly. A double blind, placebo-controlled multicenter study on efficacy of phosphatidylserine administration. Aging 1993;5:123-133.
- Crook TH, Petrie W, Wells C, Massari DC, Effects of phosphatidylserine in 8 Alzheimer's Disease. Psychopharmacol Bull 1992;28:61-66.
- 9. Crook TH, Tinklenberg J, Yesavage J, et al. Effects of phos- phatidylserine in ageassociated memory impairment. Neurology 1991 ;41 :644-649.
- 10 Cunningham-Rundies, C., et al. Proc. Nat Acada. Sci USA. 75:3387, 1978
- Daynes, R., et al. Eur J Immunol. 20:793, 1990. 11.
- Fahey TD, Pearl MS. The hormonal and perceptive effects of phosphatidylserine 12. administration during two weeks of resistive ex- erciseinduced overtraining. Biol Sport 1998;15:135-144.
- Freidman JM. Leptin, leptin receptors, and the control of body weight. Nutr Rev. 13. 1998;56(2):S38-S46.
- Guhad, FA, et al. Salivary IgA as a marker of social stress in rats. Neurosci Lett, 14. 216(2). 137-140,1996.
- 15 Havel PJ. Leptin production and action: relevance to energy balance in humans. Am J Clin Nutr. 1998;67(3):355-358.
- 16 Kidd PM, Phosphatidylserine; membrane nutrient for memory. A clinical and mechanistic assessment. Altern Med Rev 1996;1:70-84.
- 17. Latorraca S, Piersanti P, Tesco G, et al. Effects of phosphatidylserine on free radical susceptibility in human diploid fibroblasts. Neurol Transm Park Dis Dement Sect 1993;6:73-77.
- 18. LoPresti, JS and Nicoloff, JT. Thyroid response to critical illness. Endocrinology of Critical Disease. Human Press. Totowa. NJ. 1997. pp 157- 173.
- 19 Maggioni M, Picotti GB, Bondiolotti GP, et al. Effects of phosphati- dylserine therapy in geriatric patients with depressive disorders. Acta Psychiatr Scand 1990;81:265-270. 20. Maggioni M, Picotti GM, Bondiolotti GP, et al. Effects of phosphatidylserine therapy in
- geriatric patients with depressive disorders. Acta Psychiatr Scan 1990;81:265-270. Monteleone P, Beintat L, Tanzillo C, et al. Effects of phosphatidylserine on the
- neuroendocrine response to physical stress in humans. Neuroendocrinology 1990;52:243-248.
- 22. Monteleone P, Mag M, Beinat, et al. Blunting of chronic phosphatidylserine administration of the stress-induced activation of the hypo- thalamicpituitary-adrenal axis in healthy men. Eur J Clin Pharmacol 1992;41 :385- 388.
- Nerozzi D, Aceti F, Melia E, et al. Early cortisol escape phenomenon reversed by phosphatidylserine in elderly normal subjects. Clinical Trial J 1989;26:33-38
- 24. Palmieri G. Double-blind controlled trial of phosphatidylserine in patients with senile mental deterioration. Clin Trials J 1987;24:73-83.
- 25. Scott, H., et al. Scan. J. Gastroenterol. 15:81, 1980
- Stockigt, JR, Update on the Sick Euthyroid Syndrome, in Baver- man, LE ed., Diseases of the Thyroid, Humana Press, Totowa, NJ, 1997, pp. 49-68. 26.
- Strakis, CA and Chrousos, GP. Neuroendocrinology and Patho- physiology of the Stress System, Ann Ny Acad Sci, Vol. 771, pp. 1-18,1995.
- 28. Van Der Pomp G., et al. Elevated basal cortisol levels and at- tenuated ACTH and cortisol resposes to a behavioral challenge in women with metastatic breast cancer. Psychoneuroendocrinology, 21(4). 361- 374,1996.