

# Neurotrophin PMG®

## Neurotrophin PMG is a Protomorphogen™ Extract Formula that Supports Healthy Nervous System Function

For centuries, humans have consumed animal organ meats in hopes of benefitting corresponding organs in their own bodies. The central nervous system is made up of the brain, spinal cord, and the peripheral nerves that leave the central nervous system and travel to every cell in the human body. The central nervous system has divisions within it termed the autonomic, sympathetic, and parasympathetic systems. Nerve tissue that forms the brain and spinal cord consists of gray and white matter. Gray matter is made of the cell bodies of neurons, and white matter is made of the axons and dendrites of these neurons. White matter transmits impulses within the central nervous system.

The brain is the primary center for regulating and coordinating body activities. Sensory impulses are received through afferent nerves and register as sensations, the basis for perception. It is responsible for consciousness, thought, memory, reason, judgement, and emotion. Motor impulses are discharged through efferent nerves to muscles and glands initiating activities. Through reflex centers, automatic control of body activities is maintained.

## How Neurotrophin PMG Keeps You Healthy

### *Maintains cellular health*

Protomorphogen™ extract is the brand name of Standard Process' extracts derived from nucleoprotein-mineral molecules. The foundation for the function of these uniquely formulated nucleoprotein-mineral extracts comes from the antigen-antibody reaction that takes place during normal cell maintenance. The antigenic properties promote healthy cellular division, function, and growth. When a tissue needs support, at least a dozen different compounds are formed that can cause white blood cells to travel together toward the compromised area. These compounds include degenerative products of the tissues themselves. They strongly activate the macrophage system, and within a few hours, the macrophages begin to devour the destroyed tissue byproducts. At times, the macrophages can also affect the structure of the remaining healthy cells. The porcine brain PMG™ extract in Neurotrophin PMG appears to neutralize the circulating antibodies, thereby contributing to the maintenance of cellular health.†

### *Helps build and maintain strong bones and teeth*

Calcium is the most important element required for the body to build and maintain strong bones and teeth and to trigger a myriad of other important physiological processes. Some forms of calcium found in food are not absorbed by the body as effectively as others, and its precious benefit is lost. Calcium lactate is a highly bioavailable and useful form of this important element since it converts to calcium bicarbonate in one chemical step.†

*Please copy for your patients.*

**GF** This product contains less than 10 parts per million of gluten per serving size or less than 20 parts per million per the suggested use listed on each product label.

†These statements have not been evaluated by the Food & Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.



Introduced in 1953



#### **Content:**

90 tablets

**Suggested Use:** One tablet per meal, or as directed.

#### **Supplement Facts:**

Serving Size: 1 tablet

Servings per Container: 90

	Amount per Serving	%DV
Calories	1	
Cholesterol	10 mg	3%
Calcium	10 mg	1%

#### **Proprietary Blend:** 200 mg

Porcine brain PMG™ extract and magnesium citrate.

Other Ingredients: Calcium lactate, cellulose, and calcium stearate.

*Each tablet supplies approximately: 145 mg porcine brain PMG™ extract.*

**Sold through health care professionals.**



800-558-8740 | standardprocess.com

# Neurotrophin PMG®

## *How Neurotrophin PMG Keeps You Healthy (continued)*

### *Sustains metabolic efficiency*

While magnesium is present in most cells in only minute quantities, it plays an important role in human metabolism, as does its partner, calcium. It functions in such reactions as nerve conduction and nerve excitability, transfer of energy, muscular activity, and many other specific processes. Magnesium functions as a cofactor, assisting enzymes in catalyzing many chemical reactions. Magnesium and calcium are synergistic, meaning that what they do for the body together, they cannot perform on their own.<sup>†</sup>

## What Makes Neurotrophin PMG Unique

### *Product Attributes*

#### Contains Protomorphogen™ extracts

- › Standard Process uses a unique manufacturing method of deriving tissue cell determinants from animal glands and organs
- › Help provide cellular support and rehabilitation to the corresponding human tissues
- › Important antigenic properties of nucleoprotein-mineral determinants are the foundation of the product<sup>†</sup>

#### Ingredients are derived from whole food sources

- › Each tablet supplies approximately 145 mg porcine brain PMG™ extract

#### The calcium lactate in Neurotrophin PMG is a pure-vegetable source of calcium

- › Not derived from a dairy source

### *Manufacturing and Quality-Control Processes*

#### Low-temperature, high-vacuum drying technique

- › Preserves the enzymatic vitality and nutritional potential of ingredients

#### Not disassociated into isolated components

- › The nutrients in Neurotrophin PMG are processed to remain intact, complete nutritional compounds

Degreed microbiologists and chemists in our on-site laboratories continually conduct bacterial and analytical tests on raw materials, product batches, and finished products

- › Ensures consistent quality and safety

#### Vitamin and mineral analyses validate product content and specifications

- › Assures high-quality essential nutrients are delivered

### **Whole Food Philosophy**

Our founder, Dr. Royal Lee, challenged common scientific beliefs by choosing a holistic approach of providing nutrients through whole foods. His goal was to provide nutrients as they are found in nature—in a whole food state where he believed their natural potency and efficacy would be realized. Dr. Lee believed that when nutrients remain intact and are not split from their natural associated synergists—known and unknown—bioactivity is markedly enhanced over isolated nutrients. Following this philosophy, even a small amount of a whole food concentrate will offer enhanced nutritional support, compared to an isolated or fractionated vitamin. Therefore, one should examine the source of nutrients rather than looking at the quantities of individual nutrients on product labels.

Studies on nutrients generally use large doses and these studies, some of which are cited below, are the basis for much of the information we provide you in this publication about whole food ingredients. See the supplement facts for Neurotrophin PMG®.

Blythe S. *Dietary Calcium to Prevent Osteoporosis*. Brevard Health Online.  
Bronner F. 1995. *Nutrition and Health, Topics and Controversies*. Boca Raton, FL: CRC Press: 114-121.  
Guyton A.C., Hall J.E. 1996. *Organization of the Nervous System; Basic Functions of Synapses and Transmitter Substances. Textbook of Medical Physiology*. 565, 570.  
Haas E.M. 1999. *Minerals*. HealthWorld Online.  
Leibovitz B. 1991. *Nutrition Update*. Vol 5, No 2.  
Magnesium in Human Nutrition. U.S. Department of Agriculture Report. No. 19. 11.  
Mosby's Medical, Nursing, & Allied Health Dictionary. 5th ed. 1998. St. Louis: Mosby.  
Pfeiffer C.C. 1978. Magnesium. Zinc and Other Micro-nutrients 102.  
Schachter M. 1996. F.A.C.A.M. The importance of magnesium to human nutrition. HealthWorld Online.  
Shils M.E., Young V.R. 1988. *Modern Nutrition in Health and Disease*. 7th ed. Philadelphia, PA: Lea & Febiger: 142-188, 1566.  
Taber's Cyclopedic Medical Dictionary. 1997. 18th ed. 257, 345.  
Tver D.F., Russell P. 1989. 2nd ed. Van Nostrand Reinhold: 86, 312.  
van Mossevelde B. 1997. *Culinary Cures: Calcium Fortification. Food Product Design* 69-70.  
Wilson E., et al. 1965. *Principles of Nutrition*. 2nd ed. New York, NY: John Wiley & Sons, Inc: 134-150.

