

# Thytrophin PMG®

## Supports Healthy Thyroid Function

The thyroid gland is an endocrine gland consisting of a large number of follicles that contain thyroglobulin. Thyroglobulin is an iodine-containing protein from which thyroxine and triiodothyronine are derived. Thyroxine, a principle hormone secreted by the thyroid gland, enhances the capability of all food types for energy production and increases the rate of protein synthesis in most tissues. Parafollicular cells secrete the hormone calcitonin. Calcitonin is involved in calcium metabolism and works to decrease blood calcium levels. Calcitonin also inhibits bone resorption.

## How Thytrophin 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 bovine thyroid PMG™ extract in Thytrophin PMG appears to neutralize the circulating antibodies, thereby contributing to the maintenance of cellular health.†

### *Improves calcium absorption and supports nervous system function*

Calcium lactate is a highly soluble calcium salt and highly bioavailable. It changes to calcium bicarbonate (the type used by the body) in one chemical step. Unlike some other forms of calcium that are less soluble in water and need higher acid concentrations to be absorbed, calcium lactate exists near a more neutral pH and does not require acid conditions to work. Calcium is important for the healthy functioning of the nervous system and transmission of nerve impulses. The calcium lactate in Thytrophin PMG is derived from pure-vegetable sources of calcium, not dairy sources.†

### *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.†

*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 1952



**Content:**

90 tablets

360 tablets

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

**Supplement Facts:**

Serving Size: 1 tablet

Servings per Container: 90 or 360

	Amount per Serving	%DV
Calories	1	
Calcium	30 mg	2%

**Proprietary Blend:** 109 mg

Magnesium citrate and bovine thyroid PMG™ extract (processed to remove its thyroxine).

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

*Each tablet supplies approximately: 45 mg bovine thyroid PMG™ extract (processed to remove its thyroxine).*

**Sold through health care professionals.**



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# Thytrophin PMG<sup>®</sup>

## What Makes Thytrophin PMG Unique

### *Product Attributes*

Contains enzyme factors, minerals, amino acids, and proteins combined with bovine thyroid PMG<sup>™</sup> extract

- › To help support the role of the thyroid in basal metabolism, its dynamic relationships with other endocrine glands, and its vital role in the promotion of growth<sup>†</sup>

Contains Protomorphogen<sup>™</sup> 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>

The calcium lactate in Thytrophin 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 Thytrophin 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 Thytrophin PMG<sup>®</sup>.

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