

# E-Manganese™

## Supports Healthy Pituitary Gland Function

The small but powerful pituitary gland resides in the center of the skull, directly behind the nose. While no larger than a pea, this oval-shaped gland is often referred to as the “master gland” of the endocrine system because it links the nervous system to the endocrine system to release important hormones that affect growth, sexual development and reproduction, and metabolism. Working in concert with the hypothalamus, the pituitary gland directs the function of all the glands in the endocrine system, since they rely on the secretions of the pituitary for stimulation. The pituitary gland is divided into three parts: the anterior, intermediate, and posterior lobes. Each section produces specific hormones. The anterior lobe contains endocrine cells that manufacture hormones in response to hormones secreted by the hypothalamus. The anterior lobe produces hormones that stimulate thyroid and adrenal function, stimulate bone growth, increase metabolism, spark ovarian and testicular function, and initiate milk production in the mammary glands. The intermediate lobe stimulates the production of melanin, the brown pigment found in the skin, hair, and eyes. The posterior lobe of the pituitary gland manufactures two more hormones: antidiuretic hormone (ADH), which increases absorption of water into the blood by the kidneys, and oxytocin, which contracts the uterus during childbirth and stimulates milk production.†

## How E-Manganese Keeps You Healthy

### *Maintains cellular health*

Bovine anterior pituitary gland contains active components and associated nutritional factors that produce an adaptogenic effect in the corresponding human gland. The active components in glandulars are the biochemical substances specific to the gland itself. They offer an external source to support the human gland. Associated nutritional factors in the glandular tissue include vitamins, minerals, amino and fatty acids, polypeptides, enzymes and coenzymes, and all of their synergistic cofactors. Vitamin E complex is an antioxidant that helps protect cells from oxidative damage and aids in tissue repair. Calcium helps maintain proper cell-wall permeability. The presence of potassium is required for chemical reactions inside cells and helps regulate the transfer of nutrients through cell membranes.†

### *Supports a healthy nervous system*

Manganese helps maintain healthy nerves. Calcium and potassium help transmit nerve impulses efficiently. Potassium is essential in maintaining a healthy nervous system.†

*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 1958

**GF**

**Content:**

50 tablets

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

**Supplement Facts:**

Serving Size: 1 tablet

Servings per Container: 50

	Amount per Serving	%DV
Calories	2	
Vitamin E	7.7 IU	25%
Calcium	25 mg	2%
Manganese	8 mg	400%

**Proprietary Blend:** 192 mg

Bovine anterior pituitary, magnesium citrate, and ascorbic acid.

*Each tablet supplies approximately:  
155 mg bovine anterior pituitary.*

Other Ingredients: Calcium lactate, honey, manganese glycerophosphate, mixed tocopherols (soy), gelatin, and calcium stearate.

**Sold through health care professionals.**



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# E-Manganese™

## What Makes E-Manganese Unique

### Product Attributes

Combines desiccated bovine anterior pituitary gland with vitamin E, manganese, and calcium

- › Each tablet supplies 155 mg bovine anterior pituitary—the anterior portion of this gland secretes hormones that help control growth, thyroid function, ovulation, and lactation
- › Supports cellular and nervous system health to promote healthy pituitary gland function
- › Vitamins, minerals, and nutrients from animal tissues work synergistically for maximum effect†

### Whole desiccated products provide optimum nutrient activity

- › To support the general, healthy functioning of the pituitary gland and the important roles it plays in the proper functioning of many other organ systems†

### Manufacturing and Quality-Control Processes

Not disassociated into isolated components

- › The nutrients in E-Manganese 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 E-Manganese™.

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