

Protomorphogen™ Extracts

Protomorphogen™ extracts are found exclusively in [Standard Process](#) products. Learn more about what makes Protomorphogen™ extracts so unique and the products in which these extracts can be found.

Q What is a “Protomorphogen™” extract?

A “Protomorphogen™” is the trademark used by Standard Process as a brand name assigned to uniquely derived extracts used in some Standard Process formulas.

Protomorphogen™ extracts, referred to in product ingredients as “PMG™,” are exclusive to Standard Process products. A Protomorphogen™ extract is specific material extracted from animal glands and organs through a complex, multistep process to retain what Standard Process founder Dr. Royal Lee termed “cell determinants.”

In 1947, Dr. Lee defined cell determinants as the smallest functional unit of the chromosome, saying that they are the components that direct, maintain, and regulate cell functions (such as those related to protein, genetic material, and compounds like minerals).*

Current laboratory methods have confirmed that these proprietary extracts contain peptides (short chains of amino acids), nucleotides (the components of nucleic acids like RNA and DNA), and minerals.

Q Why are these extracts used in supplements?

A Dr. Lee created nutrition products that incorporated ideal sources of nutrients from both vegetables and animals. We start with glands and organs because they are inherently different from skeletal muscle. Organ meats have more DNA per gram than skeletal muscle, different protein profiles, and different starting concentrations of vitamins and minerals. To optimize the benefits of these ingredients sourced from animal tissues, Dr. Lee created Protomorphogen™ extracts.*

Feedback from health care professionals suggests that these extracts support patient health.*

Q Why are Protomorphogen™ extracts so important?

A These extracts come from the nucleus of animal gland or organ cells. Dr. Lee believed these extracts act as a cell blueprint for corresponding human cells. He also believed that animal extracts support cellular health at the level of the nucleus and provide targeted benefits for cellular function. In an unbalanced system, he believed, gland and organ extracts activate a renewed function of the normal gland.*

Protomorphogen™ extracts promote healing over time and can be useful for people with chronic health issues.*

The use of Protomorphogen™ extracts can also aid in maintaining normal cellular metabolism and cell cycling. This is an important feature that should not be overlooked and is perhaps one of the most important aspects for using Protomorphogen™ extracts in the clinical setting.*

Of equal importance, it is essential to consistently provide proper nutritional synergists for cellular support. This will improve the efficacy of the clinical application of Protomorphogen™ extracts.*

Current lab and clinical investigations into the structure and function of Standard Process animal tissue extracts are ongoing. However, anecdotal evidence collected over many years suggests that these products can provide profound support for the overall health of the body.*

Q Which Standard Process products contain Protomorphogen™ extracts?

A Specific Protomorphogen™ extracts are referred to as “PMG™ extracts” within product ingredients. Most of the products that contain these extracts have “PMG” in their names. These products include:

BioSt®
 Cardi trophin PMG®
 Derma trophin PMG®
 Drena trophin PMG®
 Hepa trophin PMG®
 Hypo thalamus PMG®
 Mammary PMG®
 Myo trophin PMG®
 Ocu lo trophin PMG®

Orchic PMG®
 Osto trophin PMG®
 Ova trophin PMG®
 Pancrea trophin PMG®
 Para plex®
 Para tid PMG®
 Pitu itrophin PMG®
 Pneu mo trophin PMG®
 Pro state PMG®

Re na trophin PMG®
 Spleen PMG®
 Sym plex® F
 Sym plex® M
 Thy mus PMG®
 Thy trophin PMG®
 Utra trophin PMG®

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

