



LIPOSOMAL GLUTATHIONE

What Is LIPOSOMAL GLUTATHIONE?

TonicSea Liposomal Glutathione is an advanced nutritional supplement containing reduced glutathione in liposomal form for supporting glutathione synthesis in the body.* Glutathione is a crucial tripeptide that has key antioxidant roles in humans.* It is increasingly important to consider supplementing with liposomal glutathione as age increases, since research shows blood glutathione levels decrease significantly in otherwise healthy elderly subjects.*

Since glutathione is one of the body's major endogenous antioxidants and also involved in many metabolic reactions, low levels of this peptide are associated with high levels of oxidative stress and impairments in nearly every system in the body (especially immune function). Thus, supplementing with Liposomal Glutathione helps to maintain proper concentrations of glutathione in the body, which supports many aspects of health and longevity.*

What Is Liposomal Technology?

Liposomal technology characterizes an advanced form of biological nanotechnology to deliver active nutrients to your body via liposomes – spherical vesicles containing phospholipid (fat) bilayers. Liposomal dietary supplements have many advantages over other oral forms of supplements, including:

- Enhanced bioavailability and biocompatibility*
- Supports cellular membrane integrity*
- More cost-effective
- Allows for easier dosage adjustments
- Non-toxic
- Non-immunogenic
- May be modified to circulate longer and prolong nutrient delivery*

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

How LIPOSOMAL GLUTATHIONE Works

Supplementing with liposomal forms of glutathione increases glutathione concentrations in the body more than supplementing with pill forms of glutathione, which are rapidly broken down by the intestines.

Physiologically, glutathione serves as a crucial antioxidant throughout the body by neutralizing free radicals and reactive oxygen species. Glutathione is involved in a multitude of metabolic reactions affecting every system in the body, especially the nervous system, immune system, and gastrointestinal system.

For example, a clinical study demonstrated that liposomal glutathione supports immune cell defense by supporting levels of key immune factors including TH1 cytokines, IL-1 β , IL-12, IFN- γ , and TNF- α .*

Glutathione has also been shown to play a role in regulating the nitric oxide cycle, which is critical for proper blood flow and vascular function.* Thus, having nominal glutathione concentrations in the body supports myriad critical cellular functions.*

LIPOSOMAL GLUTATHIONE Supplementation

Given the importance of sufficient glutathione levels in the body for supporting overall health and wellness, supplementing with Liposomal Glutathione can benefit users in a variety of ways.* The most relevant researched-backed benefits of supplementing with Liposomal Glutathione include:

- Supports metabolic reactions in body systems*
- Supports key immune factors*
- Acts as an antioxidant in the body to support oxidative stress and inflammatory response*
- Supports nitric oxide production and vascular function*

LIPOSOMAL GLUTATHIONE Dosing Recommendations

Supplement Facts		
Serving Size: 1 mL (Approx. 5 Pumps)		
Servings Per Container: 60		
Amount Per Serving		%DV**
L-Glutathione (Reduced)	100 mg	**
**Daily Value (DV) not established.		

Other Ingredients: Distilled Water, Sunflower Phospholipids, Potassium Sorbate, Lauric Arginate, Natural Citrus Flavors.

This product is GLUTEN FREE, DAIRY FREE, VEGETARIAN and NON GMO.

Take 1 mL daily – preferably on an empty stomach – as a dietary supplement, or as directed by your healthcare practitioner.

Note: If you are pregnant, nursing, or taking medication, consult your healthcare practitioner before use. Keep out of reach of children.

The TonicSea Quality Difference

TonicSea liposomal supplements use phospholipids from sunflower lecithin, making the products soy-free and non-GMO.



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