



## Introduction

NutriGlo® is a highly potent and reduced form L-glutathione, a powerful antioxidant. Glutathione is a tripeptide composed of glutamic acid, cysteine, and glycine that plays a vital role in cellular function. It is able to neutralize reactive oxygen species (ROS), the molecules that cause oxidation. If unregulated, high ROS can cause damage on a cellular level in any part of the body. This cell damage can accumulate and cause larger problems later in life. Through its powerful antioxidant activity, glutathione neutralizes the ROS in cells to prevent cellular damage. Glutathione can also recycle other antioxidants to be used again and continue fighting oxidation.

## Features & Benefits

Powerful antioxidant

Exists in the reduced form - this is the form that is most effective as an antioxidant

70% and 98% glutathione content options

Widely applicable - preventing oxidation is important to all parts of the body

Supports immune function

May prevent skin pigmentation

Orally consumed glutathione has been shown to increase glutathione in the body<sup>1</sup>

Soluble in water

## Science of NutriGlo®

Oxidation can occur in any part of the body and cause damage to important cellular components, including DNA. Accumulation of oxidative damage can lead to larger problems down the road. Glutathione can be found in all human cells to help protect all parts of the body from oxidative damage and promote whole body wellness. It is most essential in the liver, where it helps detoxify heavy metals and other potentially damaging molecules.

Glutathione plays several additional roles in maintaining health. It resets many other antioxidants back to their active states so they can continue to prevent oxidation, such as vitamins C and E. A reduction in oxidation also supports the immune system and boosts the body's ability to fight disease. Glutathione can inhibit the enzyme tyrosinase, an important enzyme for the production of melanin, meaning glutathione may prevent skin pigmentation.

## Structure/Function Claims

Antioxidant

Supports cellular health

Supports the body's natural detoxification process

## References

1. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5284489/>

## Applications

Dietary Supplements

Functional Food & Beverages

Cosmetics & Cosmeceuticals

## Safety & Regulatory

NutriGlo® is GRAS and is safe for use as a food ingredient.

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