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**LET'S DO THIS
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COMPOUNDED INJECTABLE FORMULA INFORMATION SHEET

Product Name: Glutathione

Formulation Type: Sterile Injectable Solution (Intravenous Use / Intramuscular Use).

Injection Concentration: 200 mg / mL

DOSAGE: Seek advice from an appropriately qualified and licensed physician/ healthcare provider. Typical 1-3 mL IV, 1-2 mL IM once a week for the duration of the treatment.

OVERVIEW: Glutathione (L-glutathione) is a powerful antioxidant made from the amino acids cysteine, glycine, and glutamic acid. It plays an important role in immune function, metabolism, tissue repair, DNA production, and detoxification. Because it can cross the blood-brain barrier, glutathione helps remove toxins such as mercury from the brain and other cells. As an antioxidant, glutathione helps neutralize free radicals that can damage cells and contribute to aging and certain diseases. Unlike most antioxidants, it is naturally produced in the liver and found in every cell of the body. Although glutathione is present in foods like spinach and avocados, it is poorly absorbed when taken orally. Nutrients such as N-acetylcysteine (NAC), selenium, curcumin, silymarin, vitamin C, and vitamin E may help support the body's natural glutathione production. Levels naturally decline with age and may also decrease due to stress, poor nutrition, and environmental toxins.

USES: Reported uses and potential benefits of L-glutathione include: support for athletic performance, reduction of chemotherapy toxicity, support for nonalcoholic fatty liver disease and other liver conditions, management of Parkinson's disease, treatment of male infertility, skin lightening and improvement in complexion, support for cardiovascular health (reducing plaque buildup in arteries), potential support for memory and cognitive health, possible benefit in eye conditions such as cataracts and glaucoma. As an antioxidant, glutathione may also: support immune function, help metabolize toxins and alcohol in the liver, activate enzymes involved in cellular processes, reduce oxidative stress and cellular damage, and help reduce abdominal fat storage.

ADVERSE REACTIONS: May include irritability and skin rash (with topical use).

PRECAUTIONS / SIDE EFFECTS: Glutathione is generally considered safe for most adults. However, it is not recommended for individuals with asthma, as it may worsen symptoms, particularly when inhaled. There is insufficient information regarding its safety during pregnancy or breastfeeding, so use is not advised. Glutathione

If you have any questions or concerns regarding your medication, please do not hesitate to contact us.



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may interact with certain medications. Patients should inform their healthcare provider about all medications, supplements, and herbal products they are taking before starting glutathione. Long-term use may also be associated with reduced zinc levels.

STORAGE: Controlled refrigeration. Protect from light. Store under refrigeration 2° to 8°C (36° to 46°F).

SHIPPING: This medication was shipped in a cooler or insulated bag with ice packs to preserve the integrity of the medication during transportation. If you suspect that your medication could have been tampered, or is damaged, or is outside the expected temperature, DO NOT USE IT and call the pharmacy to obtain advise.

REFERENCES

- Glutathione in the treatment of chronic fatty liver diseases. National Library of Medicine | National Center for Biotechnology Information (<https://pubmed.ncbi.nlm.nih.gov/7569285/>)
- Aruoma OI. Methodological consideration for characterization for potential antioxidant actions of bioactive components in plants foods. Mutat Res. 2003;532:9–20.
- Bagchi K, Puri S. Free radicals and antioxidants in health and disease. East Mediterranean Health Jr. 1998;4:350–60.
- Glutathione reverses endothelial dysfunction and improves nitric oxide bioavailability Am Coll Cardiol. 1999; 34: 507-514

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