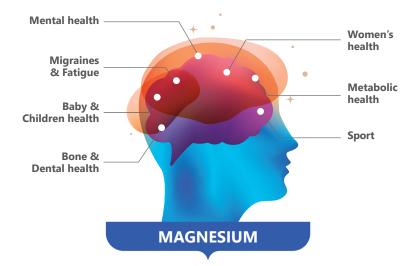


MAGNESIUM BIOLOGICAL INTEREST

Dietary surveys consistently indicate that magnesium intake falls below the recommended RDA, with women obtaining only 77% and men 72% of the recommended amount through their diets. Magnesium is essential for over 300 enzymatic reactions crucial for maintaining optimal health.

Among the various types of magnesium salts available today, GivoMag stands out by not only supplying magnesium to the body but also ensuring superior absorption, which helps prevent side effects often associated with other forms of magnesium, such as a laxative effect.

Glycerophosphate anions encompass the alpha and beta isomers of monoglycerophosphoric acid. As an organic vector, it is among the most well-tolerated and bioavailable carriers for boosting magnesium retention.



PHOSPHORUS

- · Bone and teeth health/ osteoporosis
- Energetic metabolism
- · Growth and development of bones in children

GLYCEROL

- Fuel of energy 1 molecule of glycerol = 19 ATP
- · Phospholipids synthesis
- · Cell membranes and metabolism improvement

ADVANTAGES TO USE GIVOMAG

A "3 IN 1" SALT WITH DOUBLE INTEREST The magnesium, glycerol and phosphorus are supplied simultaneously. This type of magnesium

salt has a physiologic and a metabolic interest

due to the glycerophosphate, which is absent in inorganic magnesium salts.

TOLERANCE

Glycerophosphate anion creates a buckler preventing magnesium from causing antacid effects or laxation. It demonstrates improved digestive tolerance and the lowest incidence of diarrhea among magnesium formulations.

A SUPERIOR ABSORBTION

With the better survival of the metal ion, this lipophile chelate provides superior absorption throughout the epithelial cells into the

bloodstream

A UNIQUE CHELATE

This last generation of chelated magnesium is **fully-reacted**. Unlike other available organic magnesium, it provides an elevated accessibility of magnesium due to its unique mono-chelated ring structure: it requires less energy for

metabolization.

BIOAVAILABILITY

Phosphorus, Glycerol & magnesium work synergistically: the phosphorus boosts the storage of magnesium, whereas the glycerol diffuses it across the body and throughout the

blood brain barrier.

SCIENTIFIC EVIDENCES

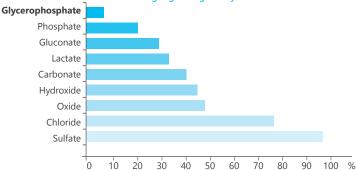
Magnesium Glycerophosphate is extensively explored in scientific literature, with numerous clinical studies affirming its efficacy in comparison to other magnesium sources. Furthermore, it holds recognition from various health certification bodies.



content and exceptional solubility across a broad pH range.

Unlike other organic and inorganic magnesium salts, GivoMag is notable for its gastrointestinal friendliness – free from any discomfort like flatulence and nausea. Due to its superior absorption, there is no residual magnesium left in the intestinal tract, thereby eliminating the laxative effect associated with it.

Incidence of diarrhea in 20 volunteers of different magnesium compounds in the amount upon the oral use of 400 mg Mg during 28 days.



Source: "On Formulas for Daoly Oral Magnesium Supplementation and Some of their Side Effects"; F.C.M. Driessens, M.G. Boltong, J. A. Planell Magnesium-Bulletin 15, 1 (1993).

AVAILABLE GRADES

- GivoMag: Time-trusted fine powder
- **GivoMag DC:** Optimized grade for direct compression
- GivoMag +: High elemental magnesium content
- LIQ GivoMag 50%: Liquid form of Magnesium Glycerophosphate

CHARACTERISTICS







Solubility: Highly water soluble



Composition: 12.5% Mg content 15.9% P content

References

Mettey. Severe selective magnesium malabsorplion: tests of tolerance of oral magnesium supplements, Magnes Res; 291-5. 1990 • Lewis, Oral magnesium reduces ventricular ectopy in digitalised patients with chronic atrial fibrilation, Eur J. Clin Pharmacol; 38. 1990 • Rossier. The effect of magnesium oral therapy on spasticity in a patient with multiple sclerosis, European Journal of Neurology; 7, 2000 • Gassling. Magnesium-enhanced enzymatically mineralized platelet-rich fibrin for bone regeneration applications; 8(5). 2013.

APPLICATIONS



Tablets & capsules



Beverages



Medical nutrition



Functional food



Gummies



ABOUT ISALTIS

High purity organic mineral salts manufacturer

- Produced in France, Worldwide supply
- Nutrition & Cosmetic ingredients
- FSSC Certification
- Kosher & Halal Certifications
- GRAS self-asserted
- Gluten & Allergen free
- GMO free & natural origin



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