Klean Magnesium

DESCRIPTION
Klean Magnesium provides support for muscle cells by participating in protein synthesis and energy metabolism for peak performance and optimal recovery.‡

INDICATIONS
• Supports muscle function, relaxation, and recovery time‡
• Supports protein synthesis and cellular energy production‡

FUNCTIONS AND MECHANISM OF ACTION
Magnesium is a mineral with a fundamentally important physiological function that plays an essential role in a wide range of cellular reactions. Magnesium is involved in protein synthesis and energy metabolism to maintain muscle contraction and relaxation. The magnesium-adenosine triphosphate (Mg-ATP) molecule provides the energy used in physical activities. The utilization and distribution of magnesium is regulated by exercise, which in the presence of abundant magnesium may decrease oxygen requirements by muscle cells to enhance physical movements. During exercise, lactate accumulation may result in muscle fatigue, affecting physical performance. In a clinical study, healthy individuals who supplemented with magnesium showed an improvement in exercise performance by decreasing lactate accumulation. Furthermore, researchers have reported that magnesium supplementation enhanced muscle strength due to its involvement in protein synthesis. Interleukin-6 (IL-6) is a cytokine that is released by contracting muscles during strenuous exercise, with levels peaking post-exercise. Elevated circulating concentrations of IL-6 is associated with increased muscle soreness and reduced muscle function. In a clinical study, magnesium supplementation moderated IL-6 concentrations and muscle soreness 24-72 hours after exercise. Therefore, magnesium may improve muscle recovery time to enhance athletic readiness and performance.‡

Magnesium glycinate is a chelate mineral complex that increases the bioavailability of magnesium in the glycinate form. The chelated complex is easily soluble in water and directly absorbed by the intestinal cells, without needing further protein or chelation like other magnesium formats. As a neutral complex, magnesium glycinate can move freely through cells without disrupting mineral and ion balance within cells.‡

FORMULA (#KA202599)
Serving Size 1 Vegetarian Capsule:
Magnesium .............................120 mg
(as magnesium glycinate)

Other ingredients: Hydroxypropyl methylcellulose
(vegetarian capsule), and ascorbyl palmitate

Gluten-free, Non-GMO

SUGGESTED USE
Adults take 1-4 capsules daily with a meal or as directed by a health professional.

WARNING
If you are pregnant, nursing, have any health condition or taking any medication, consult your health professional before using this product.

Keep out of the reach of children.
STORAGE
Store in a cool, dry place, away from direct light. Keep out of reach of children.

REFERENCES
Siebrecht S. OM & Ernahrung. 2013 Jan; Nr. 144.

For more information on Klean Magnesium, visit kleanathlete.com

‡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.