



Weekly Practice Builder

In response to increasing demand from Practitioners, Biotics Research has developed the Weekly Practice Builder program to bring important, leading-edge information and literature to you, thereby helping facilitate the growth of your practice. Biotics Research products are available exclusively through Healthcare Providers.

D.S.D. International • 11001 N. 24th Ave., Suite 603 • Phoenix AZ 85029
Toll Free: (800) 232-3183 • Email: dsdint@uswest.net

Our featured supplement of the week is the **Mg-Zyme™**

Why do your patients need Mg-Zyme™? Magnesium (Mg) is a macromineral which plays an indispensable role in a wide variety of metabolic functions in the human body. In fact, it is difficult to find a metabolic process which does not require magnesium. Of the approx. 25 grams of Mg found in the human body, ~60-65% is located in bone, ~27% is intramuscular, and ~7% is found in other cell types and bodily fluids. Over 300 known & distinct different essential enzymatic reactions in the body require Mg. Energy production, including fat and carbohydrate metabolism as well ATP production is Mg dependent. RNA and DNA synthesis also require the presence of Mg. Structurally, Mg is crucial, as it is part of the bone's crystal lattice. It is also found in concentration on the cortical surface of bones where it is believed to be stored until it is needed during times of deficiency. As a constituent in cell membranes, Mg also plays a pivotal role in ion transport, regulating calcium and potassium across the cellular membrane, thus preventing the over excitation of nerves and thereby promoting the relaxation of muscle. The cardiovascular system, nervous system, muscles, kidneys, liver, brain, hormone-secreting glands, and gastrointestinal tract all rely on Mg for their metabolic function. Due to this pervasiveness, deficiency symptoms can widely vary. Decreased absorption of Mg has been associated with individuals having gastrointestinal dysfunction, renal impairment, alcoholism or glucose metabolism disorders. Diuretics, certain antibiotics, anticoagulants, corticosteroids, and oral contraceptives may all impact magnesium status.



Why choose Mg-Zyme™ from Biotics Research Corporation? Biotics Research Corporation has formulated **Mg-Zyme™** with an ideal blend of three forms of magnesium recognized for their bioavailability and decreased risk of gastric distress. These forms include magnesium aspartate, magnesium gluconate, and magnesium glycinate, and make **Mg-Zyme™** an indispensable formula for the neuromusculoskeletal practitioner. As always, you can count on Biotics Research Corporation to offer superior nutritional products supplying "The Best of Science and Nature."

Questions? Comments?
Biotics Research wants to hear from you!



Email us at:
dsdint@uswest.net

Studies You Should Know About

Omega-3 fatty acids cut mortality and hospitalizations in heart failure patients. Statins failed to do so. Two nested Italian studies found that omega-3 fatty acid supplementation improved morbidity and mortality in symptomatic cardiac-failure patients. The same study found that statins failed to have any beneficial effects amongst the same group of patients. *European Society of Cardiology (ESC) 2008 Congress.*



Visit our website at:
www.bioticsresearch.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.