



WPB - 07/51

# Weekly Practice Builder

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*In response to increasing demand from our Practitioners, Biotics Research has implemented a new e-mail 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.*

## **Our featured supplement of the week is E-200 H $\gamma$ <sup>TM</sup>**

**Why do patients need E-200 H $\gamma$ <sup>TM</sup>?** Vitamin E is not a single compound, but rather a mixture of 8 isomers – consisting of 4 tocopherols ( $\alpha$ -,  $\beta$ -,  $\gamma$ -,  $\delta$ -) and 4 tocotrienols ( $\alpha$ -,  $\beta$ -,  $\gamma$ -,  $\delta$ -). Most natural forms of vitamin E are centered on the alpha isomer. Biotics Research Corporation is pleased to introduce **E-200 H $\gamma$ <sup>TM</sup>**.

**Gamma Tocopherol ( $\gamma$ -Tocopherol)** – The unique biological and chemical properties of the tocopherols has been correlated to their important roles in the intracellular defense against radical-mediated damage. It has been suggested that  $\gamma$ -tocopherol's unique activity stems from its ability to minimize cellular damage resulting from the production of endogenous nitrous oxide (NO). Additionally, increased consumption of  $\gamma$ -tocopherol has been associated with a reduced relevance of prostate and coronary complications.

**Why choose E-200 H $\gamma$ <sup>TM</sup> from Biotics Research Corporation?** While there are innumerable natural vitamin E products available in the market, **E-200 H $\gamma$ <sup>TM</sup>** is a cutting-edge nutritional product brought to you by Biotics Research Corporation. Research has shown that, unlike  $\alpha$ -tocopherol,  $\gamma$ -tocopherol exhibits anti-inflammatory activity. Both  $\gamma$ -tocopherol, and its metabolite 2,7,8-trimethyl-2-( $\beta$ -carboxyethyl)-6-hydroxychroman ( $\gamma$ -CEHC) were shown to inhibit the synthesis of prostaglandin E2 (PGE2) via inhibition of its catalyst cyclooxygenase-2 (COX2), providing evidence of  $\gamma$ -tocopherol's anti-inflammatory properties. As always, you can count on Biotics Research Corporation to offer superior nutritional products supplying "The Best of Science and Nature".



### **Studies you should know about:**

**Poorly controlled hypertension remains a major factor in cardiovascular disease outcomes.** While long associated with cardiovascular disease, hypertension (HTN) has been found to play a leading role in cardiovascular comorbidities (CVCs). In a recent study, nearly 75% of adults with CVCs have uncontrolled or inadequately controlled hypertension, and poor control rates of systolic HTN further compromise patients with already high cardiovascular disease risk.

Wong N, Lopez V, L'Italien G, Chen R, Kline SE, Franklin S. Inadequate Control of Hypertension in US Adults with Cardiovascular Disease Comorbidities in 2003-2004. Arch Intern Med;167(22):2431-2436.

**Fish oil supplementation can modify the abilities of monocytes and stimulate anti-inflammatory responses.** During a 12 week study, fatty acids, found in fish oils have been shown to demonstrate a direct effect on monocytes and their subsequent role in neutrophil migration, which may explain their protective role against chronic inflammatory disorders.

Luu NT, Madden J, Calder P, Grimble R, Shearman C, Chan T, Dastur N, Howell W, Rainger GE and Nash G., Dietary Supplementation with Fish Oil Modifies the Ability of Human Monocytes to Induce an Inflammatory Response. J. Nutr. 137:2769-2774, December 2007.

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



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