

Palm Tocotrienol Improves Lipid Profile, Diastolic Blood Pressure & Inflammatory Response in Metabolic Syndrome Adults

September 20th, 2016 – New Jersey, USA – ExcelVite, the leading and only GMP-certified tocotrienol producer is delighted to share another new human clinical study that uncovers the link between EVNol SupraBio™ – patented and bio-enhanced full spectrum palm tocotrienol/tocopherol complex and reduction of LDL-cholesterol, diastolic blood pressure and inflammatory markers such as Interlukin-6 (IL-6) and tumor necrosis factor-alpha (TNF- α) among metabolic syndrome subjects.

In this study, 70 adults with metabolic syndrome aged 20-60 year-old were randomized to receive palm mixed tocotrienols (EVNol SupraBio™) or placebo for 16 weeks. Anthropometric test, body composition, dietary intake, physical activeness and blood pressure were examined at baseline, week 8 and week 16. Whereas blood cholesterol and inflammatory markers were determined at baseline and week 16.

When compared to baseline, subjects supplemented with tocotrienols showed significant reduction of 13.9% and 10.6% for IL-6 and TNF- α inflammatory markers respectively. Additionally, the diastolic blood pressure, total cholesterol and LDL-cholesterol also showed reduction by 5.4%, 4.6% and 5.3% respectively.

“Metabolic syndrome is a cluster of risk factors and we are thrilled to know that subjects supplemented with EVNol SupraBio™ maintained a healthy range of cholesterol and blood pressure. To date, this is the first study to show that supplementation with tocotrienol attenuates the production of inflammatory markers such as IL-6 and TNF- α in metabolic syndrome subjects. Both IL-6 and TNF- α are strongly associated with obesity-induced inflammatory process, which constitutes the main contributing factor to metabolic syndrome,” says CheeYen Lau, Nutritionist of ExcelVite Sdn. Bhd.

“Tocotrienol is scarce in nature. Therefore, it is highly recommended to consume food or beverages fortified with tocotrienol or dietary supplements to attain the biological effective dosage for health maintenance. However, one drawback about tocotrienol is that, being a fat-soluble compound, tocotrienol has been proven to have erratic and poor absorption in human. As such, high concentration or dosage of tocotrienol (from a regular oil extract) may not confer the intended health benefits if the tocotrienols are not being absorbed. EVNol SupraBio™- a patented bio-enhanced natural full spectrum palm tocotrienol complex was developed to ensure increased oral absorption of each tocotrienol isoforms of up to 300% when compared to regular tocotrienol oil extract. In this regard, EVNol SupraBio™ achieves therapeutic blood level at a lower dosage of

supplementation, and thereby delivering tocotrienols to cells effectively for their health beneficial properties," added CheeYen.

Source:

Heng, K.S., *et al* (2015). Potential of Mixed Tocotrienol Supplementation to Reduce Cholesterol and Cytokines Level in Adults with Metabolic Syndrome. *Mal J Nutr* 22(2):231-243.

About ExcelVite

ExcelVite Sdn. Bhd., incorporated in Malaysia in 2013, is the leading and largest producer of natural full spectrum tocotrienol / tocopherol complex (EVNol™, and EVNol SupraBio™), natural mixed carotenoids complex (EVTene™), phytosterol complex (EVRol™), red palm oil concentrate (EVSpectra™) in the world via a patented technology.

ExcelVite operates in accordance to GMP standards. Its laboratory is accredited with ISO/IEC 17025 accreditation.

EVNol SupraBio™ is a patented (US Patent No. 6,596,306) self-emulsifying palm tocotrienol complex that ensures optimal tocotrienols oral absorption.

ExcelVite manufactures and markets its products under the tradenames: EVNol™, EVNol SupraBio™, EVTene™, EVRol™, and EVSpectra™. These branded ingredients are Non-GMO, Kosher and Halal certified. ExcelVite supports the production of certified sustainable palm oil (CSPO) through the GreenPalm Program.

Websites: www.excelvite.com and www.tocotrienol.org

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