



# ADVANCED INFORMATION

advanced biotech

LATEST NEWS FROM GNOSIS

## Gnosis, the One-Carbon Metabolism dedicated company, supports the ICHOCM 2017

We are proud to have been official sponsor of the 11<sup>th</sup> International Conference on Homocysteine and One-Carbon Metabolism held in Aarhus, Denmark, a great opportunity for Gnosis to support scientific research with the purpose of boosting and enriching medical science.

«Taking science to the next level» was the topic of the conference where Gnosis, as one of the leading company for innovation in science, had a ringside seat with its many products involved in the Methylation Cycle: Quatrefolic® the “innovative” folate, Adonat® S-Adenosyl-Methionine and Emothion® S-Acetyl-Glutathione.

*Silvia Pisoni*  
Marketing Manager

## New highlights on folate MTHFR polymorphism

Really interesting scientific data have been presented at the just closed 11<sup>th</sup> ICHOCM. Many international experts spoke about the One-Carbon Metabolism and its link with Folate, SAMe and Glutathione. Among others, two special focuses have been devoted to:

- 1) the role of methyltetrahydrofolate reductase polymorphism (MTHFR) and its incidence in health and disease;
- 2) challenges to evaluating evidence of risks from high intakes of unmetabolized folic acid (UMFA) by supplementation.

MTHFR deficiency increases the risk of stroke, a leading cause of disability and death worldwide, as reported in a study by Dr. Jadavji et al. (individuals with MTHFR TT genotype have elevated homocysteine concentrations).

Dr. McGowan et al. have presented interesting results on the hypothesis that the increased food allergy prevalence observed in recent years may be caused by changes in our nutrition, including increased exposure to unmetabolized folic acid through fortification and supplement use.

Quatrefolic® is the metabolic active form of folate, suitable for human body because it avoids any accumulation of unmetabolized folic acid (UMFA) in the blood, dangerous for health.



ICHOCM 2017



## Focus on

### Great start of 2017 for Mythocondro®

**The first non-animal Chondroitin Sulfate had lots of successes in this first part of the year:**

- The brand-new user friendly dedicated website came alive.
- It was shortlisted at NutraIngredients Awards 2017 as Ingredient of the year in Healthy Aging category, a confirmation of the real quality and innovation of this new product.
- Two videos were uploaded on Gnosis-bio YouTube channel talking about Mythocondro® and joint health.
- And last but not least, it obtained GRAS Status by FDA Center.

**Good job Mythocondro®!**



# vitaMK7<sup>®</sup> The 5 key points for optimal MK7

Natural vitamin k2 as MK7

Gnosis has issued a dedicated Best Practices Handbook to discover the essential features of a looked-for vitamin K2, such as the vitaMK7<sup>®</sup>.

The handbook is a "light" in a global market growing, where different ingredients coexist and several players claim the highest standard quality of their brand regardless of the real quality of their ingredient.

## 1 NATURAL MK7 in ALL-TRANS biologically active form

vitaMK7<sup>®</sup> offers >99% of all-trans isomeric purity, higher than what chemically achievable for optimal biological activity.

## 2 NATURAL ORIGIN FROM *Bacillus subtilis natto*

vitaMK7<sup>®</sup> is the only natural-derived vitamin K2 from *Bacillus subtilis natto* with >99% of Purity Assay, with no Solvents and Chemicals.

## 3 NATURAL is MORE STABLE also in FORMULATIONS

vitaMK7<sup>®</sup> has a stable profile to short-light exposure and formulations and is suitable to be combined with different calcium salts without applying any coating that increases non-natural chemical substances.

## 4 COMPLIANCE with USP and TGA standard requirements

vitaMK7<sup>®</sup> not only meets the requirements but it solely contributed to the preparation of the above monographs, through the close collaboration between USP team and Gnosis.

## 5 RELIABLE SUPPLY CHAIN

vitaMK7<sup>®</sup> is produced by Gnosis proprietary patented biofermentation process of *Bacillus subtilis* spp natto in its own cGMP manufacturing site located in Pisticci, Italy.

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.

## Incoming Events 2017

June 20<sup>th</sup> - 22<sup>nd</sup>



Shanghai New Int'l Expo Centre (SNIEC), China  
Booth #E7E05

September 27<sup>th</sup> - 28<sup>th</sup>



Mandalay Bay Hotel  
Las Vegas, USA  
Booth #CC181

October 24<sup>th</sup> - 26<sup>th</sup>



Messe  
Frankfurt, Germany  
Booth #10 1C70

## Insights & tools

1. The new vitaMK7<sup>®</sup> YouTube video is available



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Gnosis



Gnosis S.p.A.



Gnosis-bio

Quatrefolic  
Vitamk7