

# ADVANCED INFORMATION

advanced biotech

## LATEST NEWS FROM GNOSIS

### The Mythocondro® website is up and running!

Mythocondro®, the Non-Animal Chondroitin Sulfate, has a brand-new user friendly DEDICATED WEBSITE designed to provide all of the featured aspects of this pioneering vegetarian alternative of Chondroitin Sulfate.

The easy navigation, functionality, bright colors and fresh structure allow the readers to view the advancements and details that make Mythocondro® the only special Animal-free Chondroitin Sulfate. The website offers direct options to share information across all major social networking sites.

JOIN THE EVOLUTION at [www.mythocondro.com](http://www.mythocondro.com)

*Silvia Pisoni*  
Marketing Manager

### Innovation of Mythocondro® point-by-point

Mythocondro® is the only Non-Animal, clinically tested, safe and controlled source of Chondroitin Sulfate:

- ✓ Produced by a natural and proprietary fermentation process
- ✓ Very low protein content unlike animal-CS
- ✓ Homogeneous structure similar to human chondroitin found in synovial fluid
- ✓ A once-a-day dosage alternative to larger CS pills that need to be taken 2 times a day
- ✓ High purity and constant quality profile guaranteed by tightly controlled, reliable and reproducible process
- ✓ A demonstrated biological activity and established safety profile with published clinical trials
- ✓ Low molecular weight and enhanced bioavailability
- ✓ Extensive Intellectual Property
- ✓ Vegetarian CS alternative for people with dietary and religious restrictions
- ✓ Easy handling and storage, ideally suited for a broad range of products including: capsules and soft-gels for dietary supplements, conventional foods such as beverages and beverage bases, milk and milk products and chewing gum



No Allergens



No GMO



Vegan



Vegetarian

### Focus on

#### Join our newsletter network to be always updated!

Subscribing to our International Newsletter network is a great way to keep up to date with the latest news and developments in the nutra-world community of Gnosis.

A brand-new newsletter about Quatrefolic® has been released to reinforce our commitment to increase Gnosis-to-customer communication about the "innovative folate", the reduced and active form of folate. But it is not the only one: we are dedicated to give you a view of the whole iceberg, not just the tip!

Start being part of the innovation!



Mythocondro<sup>®</sup> is the vegetarian Chondroitin Sulfate with a demonstrated biological activity in joint health management.

Several studies have been carried out to validate the bioavailability, safety and efficacy of Mythocondro<sup>®</sup> in pre-clinical and clinical models.

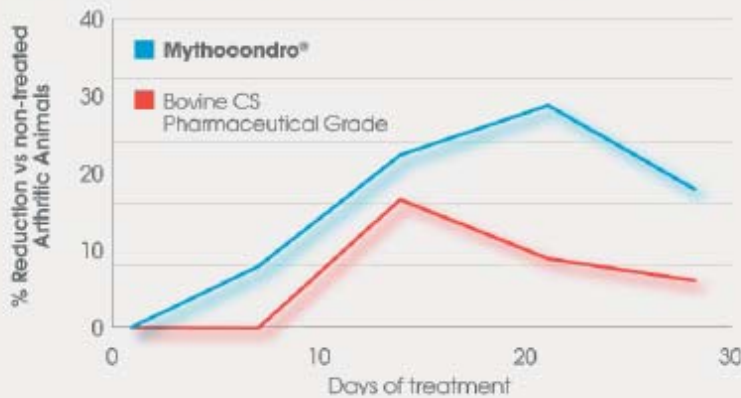
1- In human clinical trial, Mythocondro<sup>®</sup> showed an higher bioavailability of 43% versus bovine CS. In particular, 5h after administration the plasmatic concentration of Mythocondro<sup>®</sup> remains up to 89% higher than bovine CS.

**Enhanced bioavailability: +43%**

2- In an induced Adjuvant Arthritis model, the anti-inflammatory effect of Mythocondro<sup>®</sup> was compared to animal CS (production of pro-inflammatory cytokines and C-reactive protein in plasma): Mythocondro<sup>®</sup> significantly reduced the arthritic score by up to about 30% in 14 to 28 days. Mythocondro<sup>®</sup> decreases pro-inflammatory cytokines activity by approximately 31%.

## Demonstrated biological activity: +30%

### EFFECTS OF MYTHOCONDRO<sup>®</sup> ON ARTHRITIC SCORE



3- Mythocondro<sup>®</sup> underwent in vitro and in vivo toxicity studies showing its excellent

The new human clinical trial (randomized, double-blind, placebo-controlled) is testing the efficacy and safety of a low dosage formulation of Mythocondro<sup>®</sup> administered once daily in subjects with knee osteoarthritis.

The study investigates the intensity of pain measured both in motion and at rest, the knee functions, the markers of inflammation and the general quality of life. These results definitely support a dosage of 600 mg/day, which could be formulated in one single dose alternative, once-a-day, instead of current larger CS pills that need to be taken 2 times a day.

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.

## The Non-Animal Chondroitin Sulfate



## Incoming Events 2017

April 18<sup>th</sup> - 20<sup>th</sup>



INGREDIENT MARKETPLACE  
NUTRITION | HEALTH | FOOD | BEAUTY

World Center Marriot  
Orlando, USA  
Booth #K29

May 9<sup>th</sup> - 11<sup>th</sup>



Palexpo  
Geneva, Switzerland  
Booth #H49

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



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

## Insights & tools

1. Mythocondro<sup>®</sup> brand-new user friendly DEDICATED-WEBSITE



2. Join our network, follow us on our social:



Gnosis



Gnosis S.p.A.



Gnosis-bio

Quatrefolic

Vitamk7