

# nuPhoria swine



*natural protection  
animal well-being*

nuevo

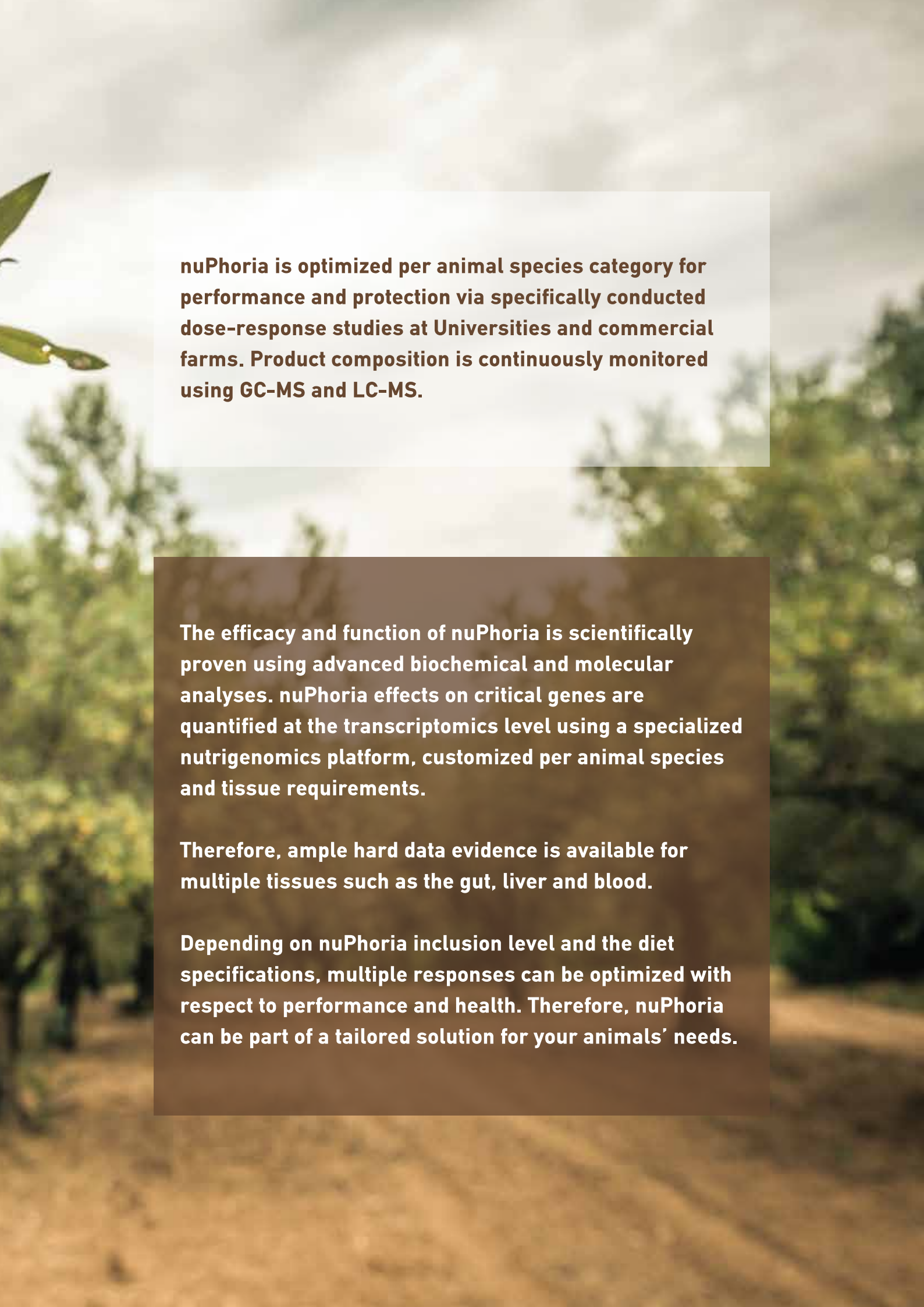
## **nuPhoria concept and scope**

**Mediterranean plants, herbs and spices combine numerous phytochemicals that have been linked with human longevity and well-being in the Mediterranean basin, from ancient times.**

**Nuevo, embracing the One Health Framework and the requirement for resource efficient animal production, introduces nuPhoria, a proprietary well-balanced phytogetic preparation harnessing the power of Mediterranean nature to improve livestock wellness, nutritional efficiency and sustainable production.**

## **nuPhoria bioactive components**

**An extensive list of natural, well-characterized bioactive components such as Thymol, Carvacrol, Hydroxytyrosol, Anethole, Curcumin, Apigenin and Hesperidin exert their beneficial physiological functions by ultimately enhancing the animals' adaptive cyto-protection and anti-inflammatory capacity. As a result, animals fed diets with nuPhoria are naturally protected, perform better, and produce higher quality products.**



**nuPhoria is optimized per animal species category for performance and protection via specifically conducted dose-response studies at Universities and commercial farms. Product composition is continuously monitored using GC-MS and LC-MS.**

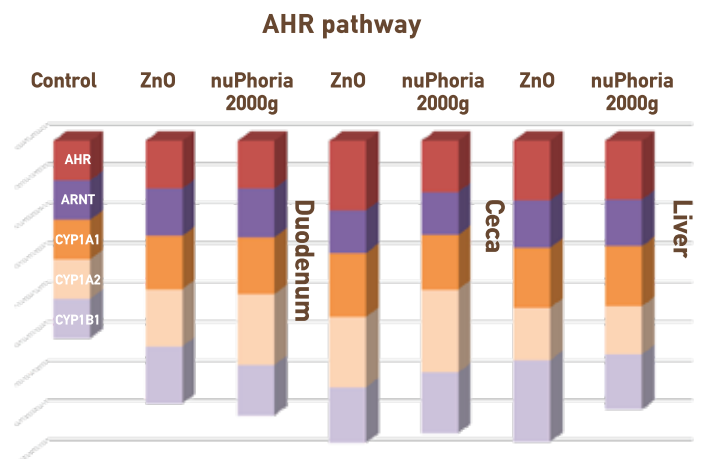
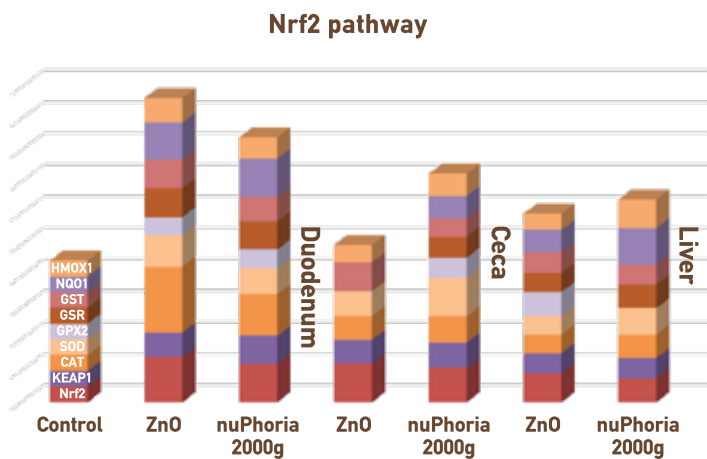
**The efficacy and function of nuPhoria is scientifically proven using advanced biochemical and molecular analyses. nuPhoria effects on critical genes are quantified at the transcriptomics level using a specialized nutrigenomics platform, customized per animal species and tissue requirements.**

**Therefore, ample hard data evidence is available for multiple tissues such as the gut, liver and blood.**

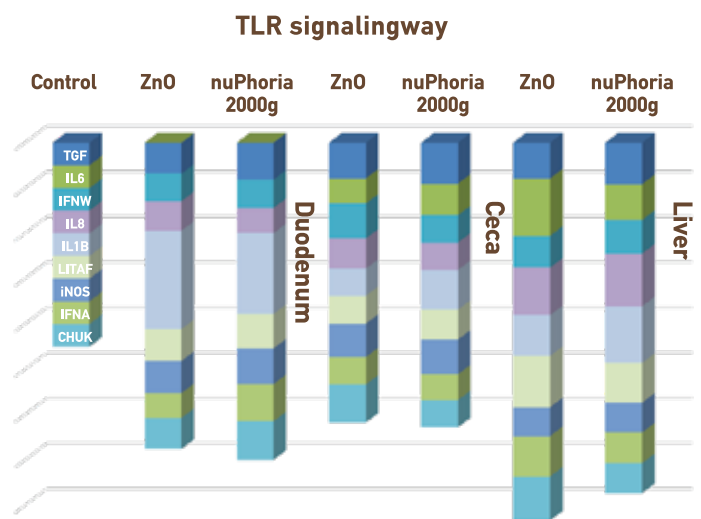
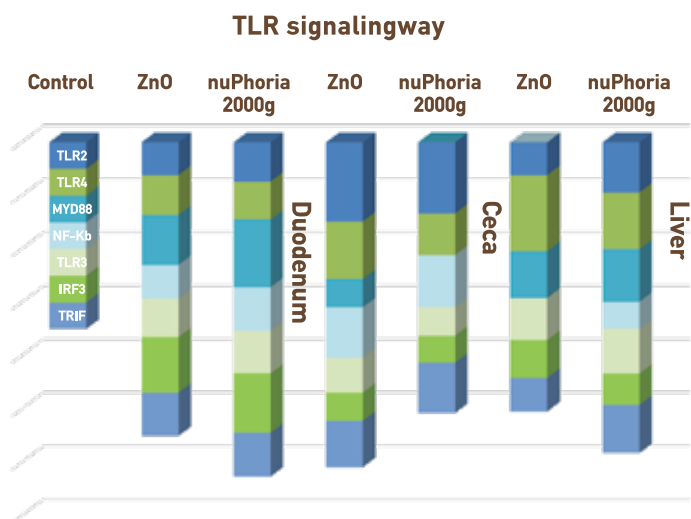
**Depending on nuPhoria inclusion level and the diet specifications, multiple responses can be optimized with respect to performance and health. Therefore, nuPhoria can be part of a tailored solution for your animals' needs.**

nuPhoria swine was tested as an alternative to pharmaceutical zinc oxide (ZnO) in weaned piglets with respect to growth performance, apparent total tract digestibility and faecal microbiota composition and metabolic activity.

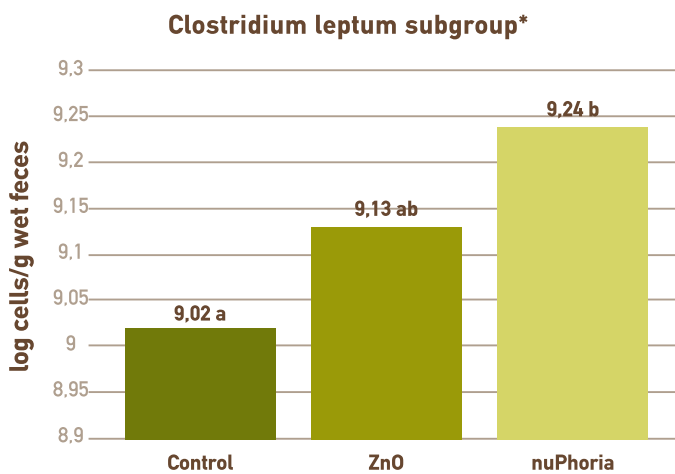
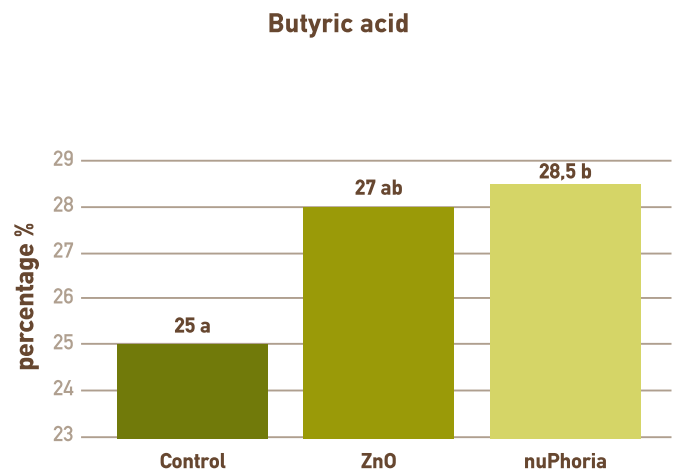
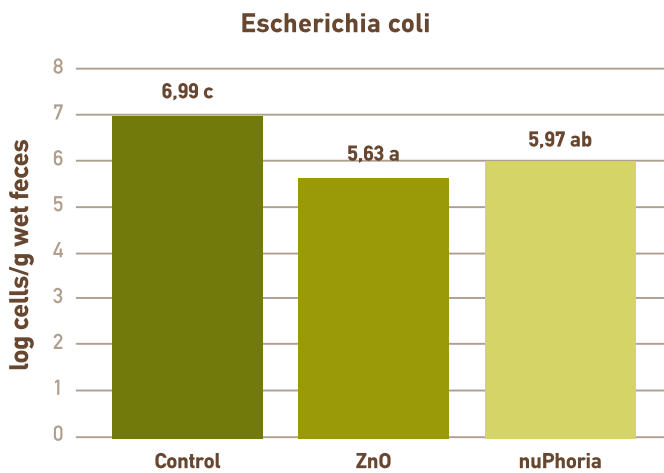
## Adaptive Cyto-protection



## Anti-inflammatory capacity



# Fecal microflora composition and butyric acid concentration



\*Clostridium leptum subgroup is a type of beneficial bacteria that can naturally be found in the gut

## Why nuPhoria swine?

1. Better FCR
2. Antimicrobial action (regulated signaling from the Toll Like Receptors)
3. Adaptive cyto-protection
4. Similar genetic expression to Zinc Oxide supplementation
5. Favours the population of beneficial bacteria
6. Higher butyric acid production



Scientific evidence built around 3 pillars

Performance

Adaptive  
Cyto-protection

Anti-  
inflammatory  
Capacity

**Packaging: 15 kg bags**

**Indicative inclusion rates:**

Pigs & sows, 0,5 - 1 kg/ton

Piglets, up to 3wk post wean, 1-2 kg/ton



# nuevo

Schimatari Viotias, 320 09, Greece

tel: +30 22620 57200-202 fax: +30 22620 59325 e-mail: [info@nuevo-group.com](mailto:info@nuevo-group.com)

13 Railway Road, Cavan, H12 YF85, Co. Cavan, Ireland

tel: +353 (0) 49 430 4638 e-mail: [office@nuevo-group.com](mailto:office@nuevo-group.com)

**[www.nuevo-group.com](http://www.nuevo-group.com)**