

**MenaQ7<sup>®</sup>**  
Vitamin K2 as MK-7

# New MenaQ7<sup>®</sup> Matrix

**The Clinically Proven Benefits  
of MenaQ7<sup>®</sup> Vitamin K2**

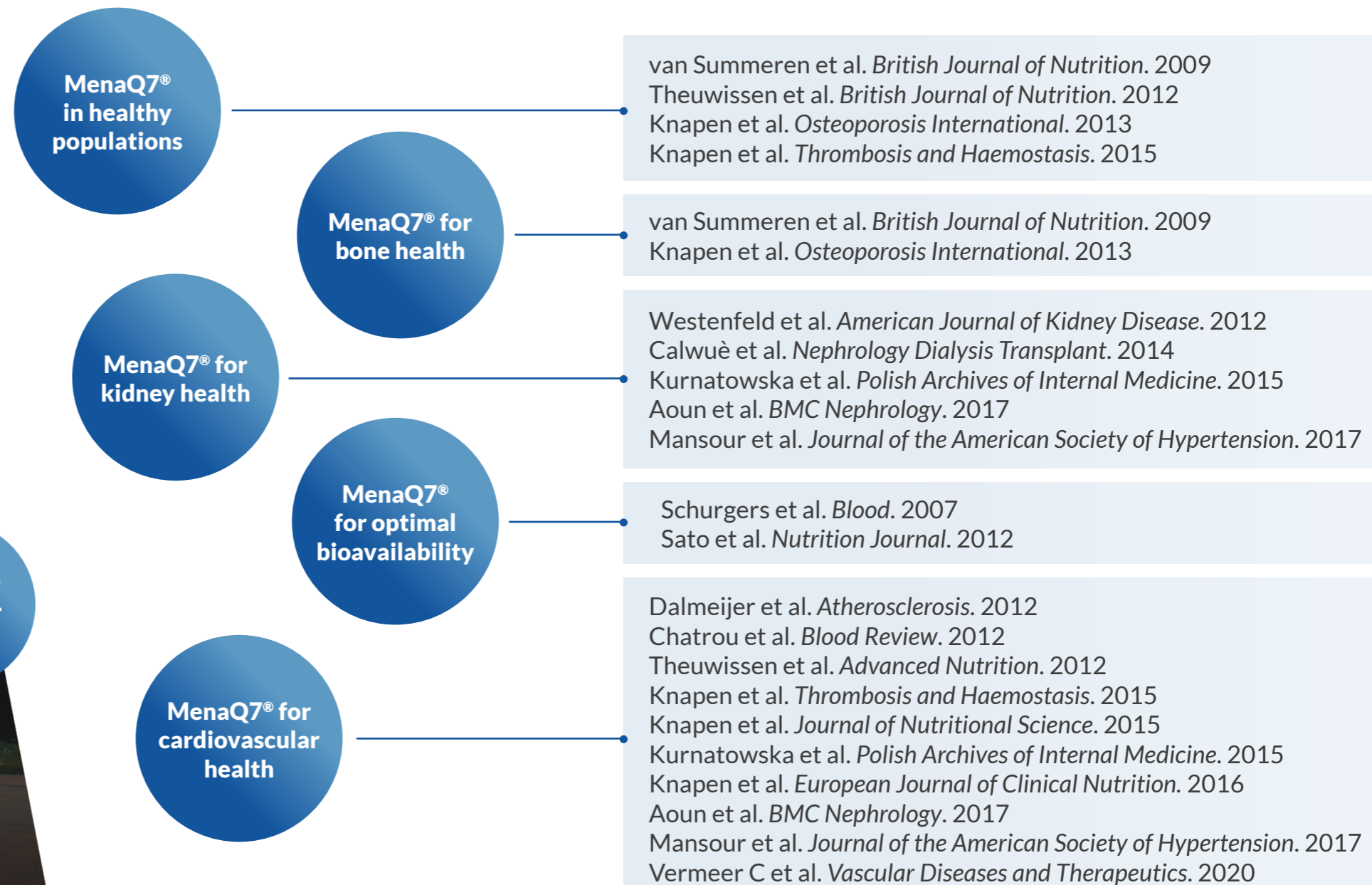
*Delivered with a True Clean Label  
Protective Technology*

**Award-Winning  
Vitamin K2 Matrix**








MenaQ7<sup>®</sup> Matrix by



# The Only Vitamin K2 as MK-7 proven to deliver Bone and Heart support is **MenaQ7<sup>®</sup> Vitamin K2** from Gnosis by Lesaffre.



# Matrix is a novel protective technology developed to ensure K2 stability in complex formulations in creative delivery formats.

APPLICATIONS		K2 SOLUTIONS PLATFORM				
Finished product	Formulation	Standard powder	Protected powder	Dispersible & protected powder	Oil	Concentrate powder
 <b>Tablets</b> <ul style="list-style-type: none"> <li>• Standard tablets</li> <li>• Chewable tablets</li> <li>• Effervescent tablets</li> <li>• Hard capsules</li> </ul>	K2 stand-alone	✓				
	K2 with single less aggressive minerals	✓	✓			
	K2 with aggressive minerals		✓			
 <b>Softgels</b>					✓	✓
 <b>Liquids</b> <ul style="list-style-type: none"> <li>• Droplets</li> <li>• Sprays</li> <li>• Syrups</li> </ul>					✓	✓
 <b>Gummies</b>		✓		✓	✓	✓
 <b>Soft Chews</b>		✓	✓		✓	✓
 <b>Ready-to-drink powder</b> <ul style="list-style-type: none"> <li>• Plant based protein powder</li> <li>• Fortified protein powder (minerals)</li> </ul>				✓		
 <b>Dairy</b>	Milk powder			✓		
	Milk powder fortified with minerals			✓		
	Yogurt				✓	

# Matrix Technology

## The New Generation of Enhanced Protection for **Vitamin K2**

- *Clean label, no coating, no additive*
- *Eases complex formulations*
- *Proprietary technology*



# New MenaQ7<sup>®</sup> Vitamin K2 Matrix

*Deliver Proven Health Benefits Protected by the Award-Winning Matrix Technology for Stable and Hassle-Free Formulations.*



## **ENHANCED STABILITY**

➤ The latest in vitamin K2 protection in complex formulations including minerals

## **CLEAN LABEL**

➤ Natural protection with a short list of ingredients and *no* additives

## **DISPERSIBILITY**

➤ Made to disperse easily in liquids (i.e., sports powders, milk powders, sachets)

## **COST-EFFECTIVE MANUFACTURING**

➤ Improved stability and homogeneity reduces the need for overage

# Matrix Technology Best-in-Class Protection, including with Aggressive Minerals.

Binary mixtures with 5 mineral sources  
Accelerated stability data (40°C, 75% RH)

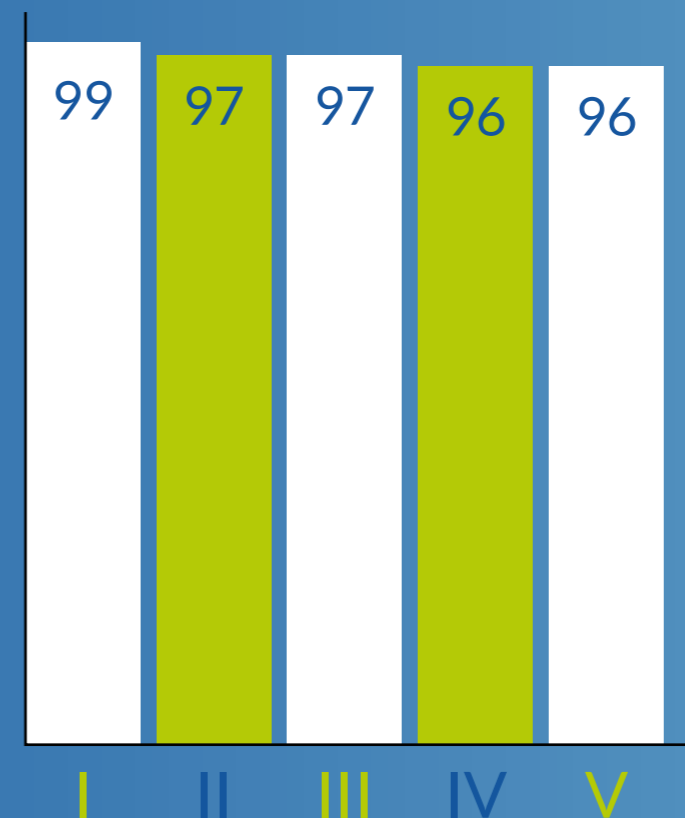
« Stability data show Matrix protects the vitamin K2 molecule in very harsh conditions. 6 months in Accelerated conditions being equivalent to 24 months in ambient conditions. »



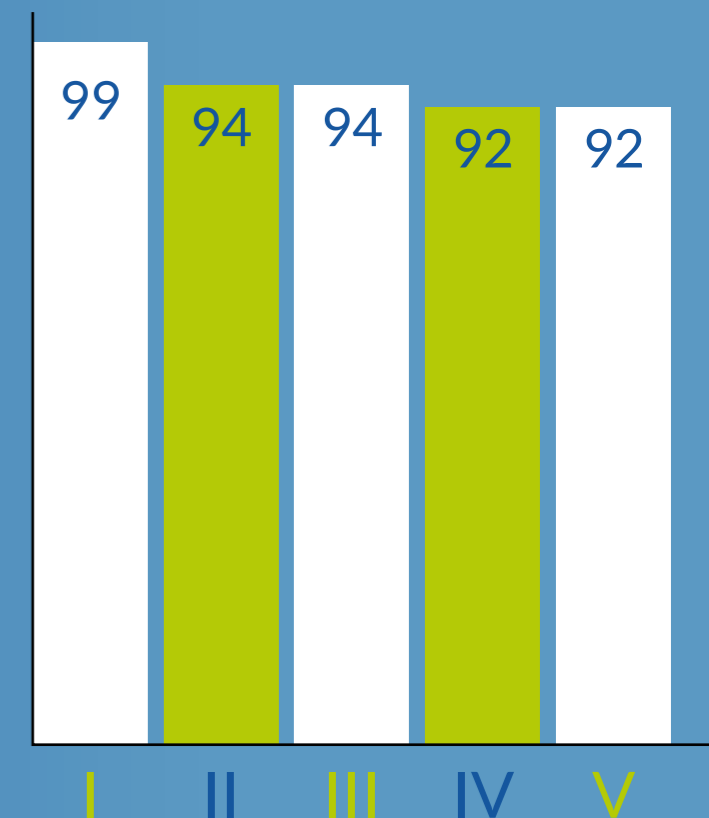
Residual amount of  
Vitamin K2 MK-7  
(initial input = 100)

- I Calcium citrate
- II Calcium carbonate
- III Aquamin F
- IV Trucal D7
- V Magnesium Oxide

After 3 months



After 6 months



# From Pioneering the **Vitamin K2** Category to Shaping its Future



**COME FOR  
THE SCIENCE,  
STAY FOR THE  
PARTNERSHIP**

With the clinically proven bone- and cardiovascular-health benefits of MenaQ7® as the foundation, Gnosis by Lesaffre is raising its premium Vitamin K2 brand to new heights.

While continuing to build on the clinical evidence established with MenaQ7®, the company will shape the future of the Vitamin K2 category by exploring unique health benefits, expanded capabilities, global reach, and future innovation as Vitamin K2 demand grows.

Let us together develop game-changing products for your customers.

This is a Business to Business information intended for food / food supplements manufacturers and not for the final consumer. Regulatory & Intellectual property requirements vary by country and applications (including claims). We encourage our customers to check the applicable local laws before launching the product on the market for each country. 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. A healthy, balanced and diversified diet should fulfill all of our nutritional needs.



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