



# Solray-D3/K2 Liposome Spray

Advanced Nanosphere Technology Concentrated Liposome Spray 2 oz.



## Matrix Nutritional Series

Immune | Brain | Bone | Cardiac | Alzheimer's | Parkinson's |

# Patient Reference

The Matrix Nutritionals Series was designed as an eclectic offering for the Physica Energetics line of synergistic remedies to correct and support the nutritional **Causal Chain communication pathways**. These pathways are present in every system throughout the body. In keeping with the principles of functional & bio-energetic medicine, the remedies nourish and support these systems without punishing them with overstimulation or imbalancing factors which ultimately prove to be counterproductive. The Matrix Nutritional supplements' approach has been scientifically and bio-energetically designed to provide the required natural, symbiotic, factors in the correct *biochemical* and *bioenergetic ratios*, to provide restorative assistance to compromised body, mind and heart challenges. They are not to be confused with solely replacement therapy nutraceuticals that may seem to help for the moment, until the patient stops taking them or the condition is driven deeper. Multidisciplinary-leaning practitioners, who clinically appreciate the masterful blend of art and science, quickly discover that these timely remedies become an integral part of their practice.

**Why are so many plagued** by a lack of calcium in the bones (osteoporosis) along with an excess of calcium in the arteries (atherosclerosis)? Researchers have finally uncovered the connection between these two serious health conditions: **Vitamin K2 (MK-7) and Vitamin D3!**

**Vitamin D3 and Vitamin K2 (MK-7) deficiency is a world-wide epidemic.** Over 1 billion people are at risk for its associated conditions beyond just this winter's viral concerns. Almost daily, references to vitamin D dominates the headlines. Paradoxically, very little is being said about Vitamin K2.

**However, there is overwhelming evidence confirming that the safety of vitamin D is dependent on adequate vitamin K2 (MK-7).**

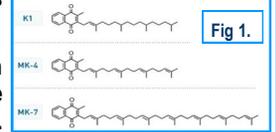
**Vitamin K is the name of a group of compounds that are all related to one another.** The first one discovered was Phylloquinone or K1. K1 is the form in which vitamin K produces **clotting factors**. Produced by plants and algae, K1 is found in green leafy vegetables such as broccoli, kale and Swiss chard, and in plant oils, such as canola and soy-bean oil.

**In the last decade most of the research has turned to the more effective Menaquinones, or vitamin K2.** Supplemental vitamin K2 exists in several forms. The most common ones are the synthetic menaquinone-4 (MK-4) and the natural menaquinone-7 (MK-7).

**Recent studies have shown the more expensive vitamin MK-7 to be more complete and have additional heart condition benefits** including the inhibition of calcium deposits in the arteries. MK-4 has to be applied in very high

**pharmacological doses (milligrams)** to demonstrate benefits for bone and heart health. In case of MK-7, doses in micrograms – 1000x less - are **sufficient for significant bioactive effect**.

**The longer half-life of MK-7** results in significantly better accumulation compared to MK-4. Research shows that in only 8 days MK-7 has 6 times better absorption.



**All K vitamins are similar in structure, but differ in the length of the "side chain".**

The longer the side chain, the better effect and efficiency. Consequently, the long-chain menaquinones (especially MK-7) are the most desirable as they are nearly completely absorbed (**body requires smaller doses**) and stay in the **blood for the longest time.** (Fig. 1) Meaning, vitamin K2 is also available for tissues outside the **liver, bones, arteries and soft tissues.**

**K2 has been reported to decrease serum cholesterol** and cholesterol deposits in the aorta, contributing to the suppression of **atherosclerosis.**

**Vitamin K2 (MK-7) has been linked to a reduction in coronary heart disease.** In fact one very large and significant study conducted in the Netherlands in 2004 followed 4800 healthy men and women for ten years. It found **vitamin K2 reduced the risk of coronary heart disease** mortality by 50% aortic calcification was also reduced by 30-40% in the famous Rotterdam study.

### Economy, Efficiency, Sustainability

Since the clinical studies on Vitamin D3 are in their formative stages, we made a **2500 IU per serving nanosphere liposome spray with K2 MK-4/7 to provide for those who may require smaller amounts.**

However, current literature is indicating that **between 4000 - 6000 IU of D3 are required daily to maintain good health.** Higher dosages have been suggested as being necessary for specific conditions. Vitamin K2 MK-4/7 and Vitamin D3 in Solray-D are in proper ratios to mutually support their synergistic balance requirements.

**Nanosphere liposomes ensure that the highest concentrations reach the binding sites.**