



Advanced Nanosphere Technology™

# Bio-A Curcumin PhytoNanosome

High Potency Curcuminoids w/ Clinically Integrative Aggregates  
60 Veggie Caps

## Matrix Nutritional Series

Inflammation | Immune | Respiratory & Gut Barriers | Neural | Signaling

# 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 proves 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.

Curcumin has been described as a strong cell signaling, pleiotropic molecule, with a multiplicity of different and unique biochemical effects.

The *proprietary blend* of **bioactive CURCUMINOID compounds** (**curcumin, demethoxycurcumin and bisdemethoxycurcumin** (the strongest, most protective and best researched constituents of the turmeric root) are power antioxidants, which can also modulate molecular targets such as cell signaling proteins, cytokines and chemokines, enzymes and cell surface adhesion molecules.

As turmeric is not soluble in water and for purposes of concentrated absorption and assimilation we have formulated this product in a unique proprietary ratioed PhytoNanosome™ base to carry the full potency of the remedy to the target sites.

Low plasma and tissue levels are due to notoriously low, poor absorption, abrupt metabolism, and rapid systemic elimination. Most researchers generally agree that curcumin is quickly degraded by gut digestive enzymes and phase 1 and phase 2 pathways in the liver and small intestine, particularly by glucuronidation and sulfation. Approximately 75% of curcumin and its by products is recovered in stool and less than 25% recovered in urine.

Our proprietary organic sunflower phospholipid PhytoNanosphere™ delivery process **resolves this limited systemic bioavailability obstacle** to carry the full potency of the remedy to the target sites. Bio-A Curcumin PhytoNanosome has proven to provide clinically enhanced absorption and assimilation into the bloodstream and cells.

In support of the **highest potency, 95% Curcuminoid compound blend**, we have created a targeting, causal chain, complex of immune enhancing beta-glucan and polysaccharide mushrooms with **L-Ergothioneine** (nurturing and transporting).

Modern cellular studies on curcumin have validated most of its indications in traditional medicine and have expanded the Pure Himalayan Shilajit with Humic and Fulvic acids, dibenzo-alpha pyrones (chromoproteins), ionic trace minerals etc and a *Botanical Flavanol Blend* of Fenugreek, Nettle leaf, Chinese skullcap and Quercetin. Scientific studies on curcumin have validated most of its indications in traditional medicine and have expanded the potential of curcumin to epigenetic diseases of civilization. With over 4000 pre-clinical investigations, curcumin is one of the best studied products of the whole biomedical literature. As a result, curcumin has emerged as an inflammation master switch, with both direct and genomic activity on pro-inflammatory enzymes, inflammatory transcription factors and inflammatory cytokines.

Curcumin has been linked to the reduction of risk for a number of different disease conditions including cardiac factors, Alzheimer's, inflammation, breast challenges etc. due to its powerful antioxidant and anti-inflammatory action.

The designation *PhytoNanosome*, refers to a plant extract bound to *phosphatidylcholine*, an essential component of human cells. The body readily absorbs the **phospholipid obtained from sunflower oil** with the attached curcumin, which results in more curcumin reaching the target cells. Assays and a plethora of studies indicate conclusively that improved absorption via plasma and liver curcuminoid profiles, support the clinical efficacy of Bio-A Curcumin PhytoNanosome.

Polyphenols, as curcumin, show a high affinity for biological membranes and once complexed with phospholipids, are embedded into a lipidic matrix that, while shielding them from hydrolytic degradation, can capitalize on the rapid exchange of phospholipids between biological membranes and the extracellular fluids, shuttling it into biological membranes and increasing its cellular integration.

### CAUSAL CHAIN INGREDIENTS (Per 2 caps)

Curcuminoids 95% Actives	1,000mg
Organic Oyster Mushroom	200mg
ErgoActive (L-Ergothioneine)	10mg

Pure Himalayan Shilajit Extract, Humic & Fulvic acids, Spirulina, 72 ionic & electrolytic trace minerals (magnesium, boron, potassium, sodium, chloride, sulfate, lithium, etc.) plant DNA vestiges, dibenzo-alpha pyrone chromoproteins,

peptides, nucleic acids, amino acids. 20mg  
*Proprietary Flavanol Blend*: 200mg  
(Fenugreek seed extract, Nettle leaf, Chinese Skullcap root, Quercetin)

