



**UPDATED FOLATE (as Quatrefolic™
(6S)-5-Methyltetrahydrofolic acid
glucosamine salt).** Italian sourced: Quatrefolic
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Methyl-B12

Nanosphere Liposome Spray
2 oz. Nutritional Tincture NPN 80029539

Matrix Nutritional Series Methylation, Homocysteine, Metals, Autistic Spectrum

Matrix Nutritional Series was designed as an eclectic offering for the Physica Energetics line of remedies primarily to assist in the "reactivation of the mesenchyme" (Dr. Reinhold Voll), via the nutritional complement pathways. These pathways are present in every system throughout the body and require balanced attention. In keeping with the principles of BioEnergetic Medicine, the remedies nourish and support these systems without punishing them with overstimulation or imbalancing factors, which, ultimately, is counterproductive. This approach has been carefully and respectfully designed to provide the necessary natural (organic where available), synergistic factors in proper energetic and biochemical ratios, to ensure assistance towards yielding a deep and lasting result. They are not to be confused with replacement therapy nutraceuticals that may seem to help for the moment, until the patient stops taking them or the condition is driven deeper. These remedies honour The Legacy of BioEnergetic Medicine, and are known by both patient and practitioner to be exceptionally effective.

Methylation is a process that occurs @ one billion times per second taking place in the liver during phase two detoxification. Methylation occurs when SAME (S-adenosine methionine) donates a methyl group, which is then attached to the molecule that is being detoxified. SAME then becomes homocysteine. **Vitamin B6, B12, TMG and folic acid are necessary to reduce homocysteine and keep the methylation processes occurring.**

This metabolic process taking place in every cell and vital organ that uses methyl groups to perform functions that include: regulating levels of histamine (which is a key factor in allergic responses), protecting and regulating DNA, promoting detoxification, protein and neuro-transmitter production as well as other brain functions.

It makes membranes that surround each cell more fluid. Technically, it starts with the small parts of molecules called methyl groups. A methyl group is a carbon atom with 3 hydrogen atoms attached to it. Movement of these carbon atoms goes on in every cell and tissue of the body. Methylation is what occurs when the body takes one substance and turns it into another, so it is detoxified and can be excreted from the body.

Methylation acts as an on/off switch that allows the body to learn how to respond to environmental change. It represents the only cellular pathway that affects both adaptability and structural integrity.

Vitamin B12 is a water soluble vitamin necessary for the maintenance of a healthy nervous system and for the metabolic utilization of fats and proteins. Vitamin B12 is also essential for the synthesis of DNA during cell division and therefore is especially important for rapidly multiplying blood cells. In addition, adequate intake of Vitamin B12, along with Folic Acid and Vitamin B6, encourages healthy serum homocysteine levels, thereby

Five Liposome Spray Dose Contains:	
*Folate (as Quatrefolic™ (6S)-5-Methyltetrahydrofolic acid glucosamine salt	400 mcg
Vitamin B12 (as methylcobalamin)	1000 mcg
Vitamin B6	2 mg
Trimethylglycine (betaine)	200 mg

supporting cardiovascular health. TMG (trimethylglycine) works along with Folic Acid, B6, and B12 in the metabolism of homocysteine.

Pernicious anemia is an autoimmune disease that affects the gastric mucosa and results in gastric atrophy. This leads to the destruction of parietal cells, achlorhydria, and failure to produce intrinsic factor IF resulting in vitamin B12 malabsorption. If pernicious anemia is left untreated, it causes vitamin B12 deficiency, leading to megaloblastic anemia and neurological disorders, even in the presence of adequate dietary intake of vitamin B12.

High homocysteine has been implicated and shown to be elevated in Alzheimer's disease, depression, neurological aging, cancer, arteriosclerosis, anemia, osteoporosis, arthritis, rheumatoid arthritis, lupus, eye disorders, Chronic Fatigue Syndrome, heavy metal toxicity, ADD/ADHD, Autism, and many others. Homocysteine destroys brain and bone proteins.

Methylation helps "flush out" harmful fat which helps regulate weight and keeps fat from accumulating in the arteries. It is also essential to the production of melatonin, necessary for sleep cycles and hormonal balance.

Methylation is the main way the body clears and eliminates histamine, which can cause inflammation, allergic reactions, and even asthma.

It plays an important role in keeping estrogen levels balanced (high levels are attributed to breast cancer). Poor methylation takes the methyl groups from genes to use for other purposes. If that methyl group was removed from a cancer gene, it may begin to express cancer. This is how methylation turns off oncogenes and metastatic promoter genes.

The overall effect here is that if the methylation cycle is impaired the immune system malfunctions, the detoxification system malfunctions, the ability to heal and repair is reduced and the anti-oxidant system malfunctions.

As is clearly evident, methylation clarification is central to restoring cellular communication.

NOTE: Natural Stevia is used to sweeten Methyl-B12 Spray and may be sprayed into a small amount of water to taste.

Patient Reference