NutriDyn

Liposomal B12 Folate

Supports Cardiovascular and Nervous System Health⁺

Liposomal B12 Folate Supplementation

Vitamin B12 and folate are essential for many physiological processes and are involved in nearly every metabolic cellular reaction. Low levels of these particular B vitamins are associated with accelerated cognitive and cardio-vascular decline and low energy production.^{41,2} The bioactive folate and vitamin B12 found in Liposomal B12 Folate work in conjunction to promote healthy DNA, cognitive function, balanced hormones, and support healthy hemoglobin.^{43,4}

The ingredients in Liposomal B12 Folate are congruous with what research suggests to be effective and safe, particularly for supporting healthy metabolism and physiological processes throughout the body.[•]

Clinical evidence and research cited herein show that the ingredients in Liposomal B12 Folate may:

- Support healthy metabolic reactions throughout the body⁺
- Support healthy cardiovascular function⁺
- Support healthy cognitive function⁺
- Support healthy nervous system function*
- Promote balanced moods⁺
- Promote energy production⁺
- Promote healthy and balanced hormones⁺

How Liposomal B12 Folate Works

The all-new Liposomal B12 Folate utilizes revolutionary liposomal technology to create a dietary supplement that is more effective and works faster.^{+5,6} Liposomes help transport and release the supplement's nutrients with higher absorption rates.⁺ Liposomes bypass the liver and other stages of metabolism. This allows the nutrients to enter the lymphatic circulatory system directly, so health benefits may immediately be felt.⁺

Liposomal B12 Folate contains vitamin B12 as methylcobalamin, which is involved in methyl group transfer reactions. Vitamin B12 is the most chemically complex of all vitamins since it plays a key role throughout the nervous system by supporting the creation of DNA building blocks and metabolizing all of the amino acids synthesized in the body.⁴¹ This complexity also makes it the most common B vitamin for deficiencies.

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How Liposomal B12 Folate Works continued

Vitamin B12 is needed for the body to convert homocysteine to methionine; methionine is necessary for the formation of S-adenosyl-methionine (SAMe), which is involved in the synthesis of catecholamines and various neurotransmitters.⁷ Vitamin B12 is integral to supporting mood and cognition via SAMe.⁴⁸

Folate is also vital for nearly every physiological reaction in the body that involves a one-carbon transfer. Unfortunately, the folate found in food and many dietary supplements needs to go through several enzymatic conversions to be converted to its bioactive form called L-5-methyltetrahydrofolate (5-MTHF).⁹ Liposomal B12 Folate contains bioactive 5-MTHF for supporting healthy folate status, regardless of whether you lack the necessary enzymes to utilize it properly.⁴

Research suggests that supplementation with vitamin B12 and folate can help restore healthy levels of these crucial micronutrients in the body.^{4,9,10,11} The revolutionary liposomal technology used in creating Liposomal B12 Folate allows effective and efficient use of these critical nutrients.⁴

What is Liposomal Technology?

Liposomes are double-layered spheres with phospholipids that transport targeted nutrients to specific sites of action. Phospholipids form a lipid bilayer when exposed to water, so the hydrophobic tails are sandwiched between two layers of hydrophilic heads (see figure below). The hydrophilic head attracts water into the membrane while the hydrophobic tail pushes the water away. The lipid bilayer acts as a barrier to the passage of molecules and ions into and out of the cell.⁴

Liposomal technology is revolutionary biological nanotechnology that uses microscopic fat-soluble molecules to increase the absorption and efficacy of dietary supplements by allowing nutrients to enter the lymphatic circulatory system, bypassing the liver and other stages of metabolism, where they can get to work immediately.⁺ By targeting the site of delivery, liposomes also minimize systemic toxicity.⁺

This also means the nutrients avoid harsh digestive elements that may affect the quality and efficacy of the supplement.⁺ Many dietary supplements require the body to break down, digest, and absorb nutrients through various complex processes. The bioavailability of nutrients, efficacy, and quality can be hampered during these enzymatic and digestive processes.⁺



Supplement Facts

Serving Size: 1 Dropper (1 mL) Servings Per Container: 30

Amo	unt Per Serving	%DV*
Folate (as I-5-methyltetrahydrofolate)	1000 mcg DFE	250%
Vitamin B12 (as methylcobalamin)	1 mg	41,667%

Other Ingredients: Purified water, organic cane alcohol, non-GMO sunflower lecithin, natural berry flavors, glycerin, stevia leaf extract.

Directions: Shake well before use. Take one dropper (1 mL) daily as a dietary supplement or as directed by your health-care practitioner.

Caution: If you are pregnant, nursing, or taking medication, consult your healthcare practitioner before use. Keep out of reach of children.

References:

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• 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.

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