NutriDyn

B12 with Intrinsic Factor

Bioavailable Support for Neurological Cardiovascular, and Metabolic Health*

B12 with Intrinsic Factor Supplementation

B12 with Intrinsic Factor is a scientifically formulated supplement to support neurological, cardiovascular, and metabolic health.* Made exclusively for healthcare practitioners, it is engineered for optimal bioavailability and efficacy with a synergistic blend of folate as calcium I-5-methyltetrahydrofolate, vitamin B12 as methylcobalamin, biotin, and intrinsic factor to offer comprehensive nutritional support.*

B12 with Intrinsic Factor is a scientifically formulated product that combines efficacy, bioavailability, and comprehensive health support. It is an invaluable addition to the healthcare practitioner's toolkit, providing a targeted approach to supporting neurological, cardiovascular, and metabolic health.*

Supplementation with B12 with Intrinsic Factor includes these benefits:

- Promotes healthy DNA synthesis and repair*
- Supports healthy red blood cell formation*
- Promotes cardiovascular health*
- Promotes neurological health*
- Promotes effective metabolism of fats, carbohydrates, and proteins*
- Promotes healthy skin, hair, and mucous membranes*
- Supports effective absorption of vitamin B12*

How B12 with Intrinsic Factor Works

The Role of Methylcobalamin with Intrinsic Factor

Methylcobalamin, a superior active form of vitamin B12, is crucial for maintaining nerve health, healthy red blood cell formation, and DNA synthesis.⁴¹² This active form allows for immediate utilization without requiring conversion, supporting rapid and efficient absorption. * Methylcobalamin can then be readily utilized by the body, aiding in the maintenance of neuronal integrity and optimal cognitive function.^{4,5} It also supports healthy homocysteine metabolism, thus promoting cardiovascular health.*6



cGMP

NON-GMO

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CGMP FACILITY

How B12 with Intrinsic Factor Works Continued

The addition of intrinsic factor is crucial for the absorption of vitamin B12 in the ileum.⁴² Naturally produced in the stomach, this glycoprotein binds to vitamin B12, facilitating its absorption and maximal uptake and utilization.⁴ Intrinsic factor is especially beneficial for individuals with specific dietary concerns, those with impaired B12 absorption, elderly patients, and those needing additional support with gastrointestinal health.⁴⁷

Folate Synergy

Our supplement features folate as calcium I-5-methyltetrahydrofolate, the most bioactive form of folate, ensuring immediate uptake without the need for metabolic conversion.⁺⁸ This form bypasses the enzymatic conversion process required by synthetic folic acid, thus offering immediate metabolic use.⁺ Folate is essential in DNA synthesis and repair, and when paired with methylcobalamin, it facilitates healthy homocysteine levels, offering cardiovascular, neural, and cognitive benefits.^{+9,10}

Biotin and Metabolic Health

The inclusion of biotin serves a dual purpose. Biotin, a key B vitamin, is integral for energy production and the synthesis of fatty acids, supporting both metabolic and dermatological health.⁴¹¹ Its role in keratin production enhances skin, hair, and nail health, while its contribution to carbohydrate, protein, and fat metabolism supports overall energy levels.⁴^{12,13}

Supplement Facts

Serving Size: 1 Capsule Servings Per Container: 60

| Amo | unt Per Serving | %DV |
|--------------------------------------|-----------------|---------|
| Folate (as calcium I-5- | 1,333 mcg DFE | 333% |
| methyltetrahydrofolate) (BioFolate®) | | |
| Vitamin B12 (as methylcobalamin) | 500 mcg | 20,833% |
| Biotin | 300 mcg | 1,000% |
| Intrinsic Factor (porcine) | 20 mg | ** |

Other Ingredients: Microcrystalline cellulose, hypromellose, vegetable magnesium stearate, silica.

BioFolate® is a federally registered trademark of MTC Industries, Inc.e.

Directions: Take one capsule daily or as directed by your healthcare practitioner.

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

References:

- Okada K, Tanaka H, Temporin K, et al. Exp Neurol. 2010; 222(2):191-203.
 Guéant JL, Guéant-Rodriguez RM, Alpers DH. In Vitamins and Hormones
- Academic Press Inc. 2022:241-274
- 3. Allen LH. Adv Nutr. 2012;3(1):54-5.
- 4. Krzywanski J, Mikulski T, Pokrywka A, et al. Nutrients. 2020;12(4):1038.
- 5. Gupta JK & Sana QS. J Pharmacol Ther. 2015; 3(3).1076.
- 6. Obersby D, Chappell D, Dunnett A, Tsiami A. Curr Res Nutr Food Sci. 2015;3(3).
- Al-Awami HM, Raja A, Soos MP. Physiology, Gastric Intrinsic Factor. In: StatPearls. Treasure Island (FL): StatPearls Publishing; July 17, 2023.
- 8. Antoniades C, Shirodaria C, Warrick N, et al. Circulation. 2006;114:1193-1201.
- 9. Lam NSK, Long XX, Li X, et al. Biomed Pharmacother. 2022;146:112541.
- 10. Roffman JL, Petruzzi LJ, Tanner AS, et al. *Mol Psychiatry*. 2018;23(2):316-322.
- 11. Zhang Y, Ding Y, Fan Y, et al. Front Nutr. 2022;9.
- 12. Zempleni J, Wijeratne SS, Hassan YI. Biotin. *Biofactors*. 2009;35(1):36-46.
- 13. Patel DP, Swink SM, Castelo-Soccio L. Skin Appendage Disord. 2017;3(3):166-169.

• 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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