

BioEnhanced Methyl-B

Activated B Formula with L-5-MTHF

Orthoplex White BioEnhanced Methyl-B is an Australian first activated B vitamin formulation containing both L-5-Methyltetrahydrofolate and Folinic acid, and Methylcobalamin and Hydroxocobalamin.

Orthoplex White BioEnhanced Methyl-B contains Metafolin® which is the patented and scientifically-validated form of L-5-Methyltetrahydrofolate calcium (L-5-MTHF-Ca). BioEnhanced Methyl-B contains a unique dose of Vitamin C to help stabilise and protect Folate from oxidation, and CoQ10 which is essential for energy production in the body, and provides antioxidant and mitochondrial support. As such, it is a comprehensive B vitamin formulation to support healthy methylation and DNA synthesis.

★ Contains Metafolin®

- Scientifically-validated and patented form of L-5-MTHF-Ca
- One of the most scientifically-researched forms of L-5-MTHF-Ca
- Meets or exceeds the high quality and strict standards of the United States Pharmacopoeia
- ✓ Australia's first combination of L-5-MTHF and Folinic acid
- ✓ Australia's first combination of Hydroxocobalamin and Methylcobalamin
- ✓ Contains a unique dose of Vitamin C to support the normal stabilisation and protection of Folate
- ✓ Low excipient and magnesium stearate free
- ✓ Vegan friendly
- ✓ Manufactured in Australia under strict compliance with the current Australian Code of Good Manufacturing Practice (cGMP)
- ✓ Stringent laboratory testing includes:
 - Testing for impurities and heavy metals
 - Testing for biologically inactive D-5-MTHF

Indications

- Contains Vitamin C which may be involved in the normal stabilisation and protection of Folate from oxidation
- Contains nutrients that support healthy methylation
- Supports healthy DNA synthesis, methylation and cell division
- Contains Coenzyme Q10 which plays an essential role in the production of ATP and, therefore, the production of energy
- Supports healthy nervous system function

Excipients

Calcium hydrogen phosphate dihydrate, colloidal anhydrous silica, microcrystalline cellulose, vegetable capsule (Vcaps®).

Warnings

Vitamin supplements should not replace a balanced diet. Do not take while on warfarin therapy without medical advice. If symptoms persist, seek the advice of a healthcare professional.



Always read the label. Use only as directed. If symptoms persist consult your healthcare practitioner.

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- ✓ Gluten Free
- ✓ Lactose Free
- ✓ Sugar Free
- ✓ Glucose Free
- ✓ Vegan
- ✓ Vegetarian

AUST L 260780

Pack Size: 60 capsules

Recommended Dose: Take 1 capsule daily with food, or as recommended by your registered healthcare practitioner.

Storage: Store below 30°C in a cool, dry place, away from direct sunlight.



Full disclosure of excipients in every formulation

Each Capsule Contains

Ascorbic acid	300mg
Ubidecarenone (Coenzyme Q10)	30mg
Thiamine hydrochloride equiv. Thiamine	100mg 89.2mg
Riboflavin sodium phosphate equiv. Riboflavin	30mg 21.9mg
Nicotinamide	100mg
Calcium pantothenate equiv. Pantothenic acid	50mg 45.8mg
Pyridoxal 5-phosphate equiv. Pyridoxine	25mg 17.1mg
Biotin	500µg
Calcium folinate equiv. Folinic acid	108µg 100µg
Levomefolate calcium (Metafolin®) equiv. Levomefolic acid	434µg 400µg
Mecobalamin (Co-methylcobalamin)	400µg
Hydroxocobalamin	100µg



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Technical Information

B vitamins are essential to many metabolic processes within the body. Many of the B vitamins are involved in the production of energy in the body through their ability to support the metabolism of carbohydrates, fats and proteins.¹ Each B vitamin participates in very specific reactions in the body. Thiamine, for instance, is a cofactor for one of the enzymes involved in the pyruvate dehydrogenase complex, which converts pyruvate to Acetyl-CoA,² while Vitamin B3 is involved in the metabolism of carbohydrates, fats and proteins once converted to the ubiquitous cofactor NAD.³

Metafolin® Scientifically Validated, Extensively Researched

Orthoplex White Label BioEnhanced Methyl-B contains the world-renowned, clinically trialled form of L-5-MTHF-Ca—Metafolin®. Metafolin® is one of the most researched forms of L-5-MTHF-Ca available globally.

Australia's First Hydroxocobalamin and Methylcobalamin

The combination of Hydroxocobalamin and Methylcobalamin is unique to BioEnhanced Methyl-B. Both of these forms of Vitamin B12 are found naturally in foods,⁴ and, although the literature exploring the pharmacokinetics of these two different forms is still growing,⁵ the combination provides an important variety of cobalamin to the body, as would normally be obtained in a normal healthy diet, and reflects the variety of cobalamin forms found in the serum.⁶

Vitamin C May Support the Normal Stabilisation and Protection of Folate from Oxidation

Folic acid and L-5-MTHF are important for the healthy metabolism of proteins, the formation of red blood cells and normal, healthy cardiovascular function. Both of these Folates, however, are structurally quite unstable and prone to oxidation. While this oxidation may be the result of heating during cooking, Folate is also liable to oxidation within the body. Vitamin C is a unique and important synergistic nutrient as it may help support the normal stabilisation and protection of Folate from oxidation (Figure 1).¹¹

Supports Healthy Nervous System Function

BioEnhanced Methyl-B provides several nutrients which support the healthy functioning of the nervous system. Thiamine has a non-cofactor role in the nervous system, controlling chloride channels, and as such, it plays a role in nerve function and transmission.⁷ Pantothenic acid supports the adrenal glands in the making of cortisone and other adrenal hormones that counteract stress.⁸ Pyridoxine is involved in the synthesis of several neurotransmitters, such as serotonin, GABA and dopamine,⁹ while Vitamin B12 is required for the synthesis of myelin, the insulation around nerves.¹⁰

References available upon request.

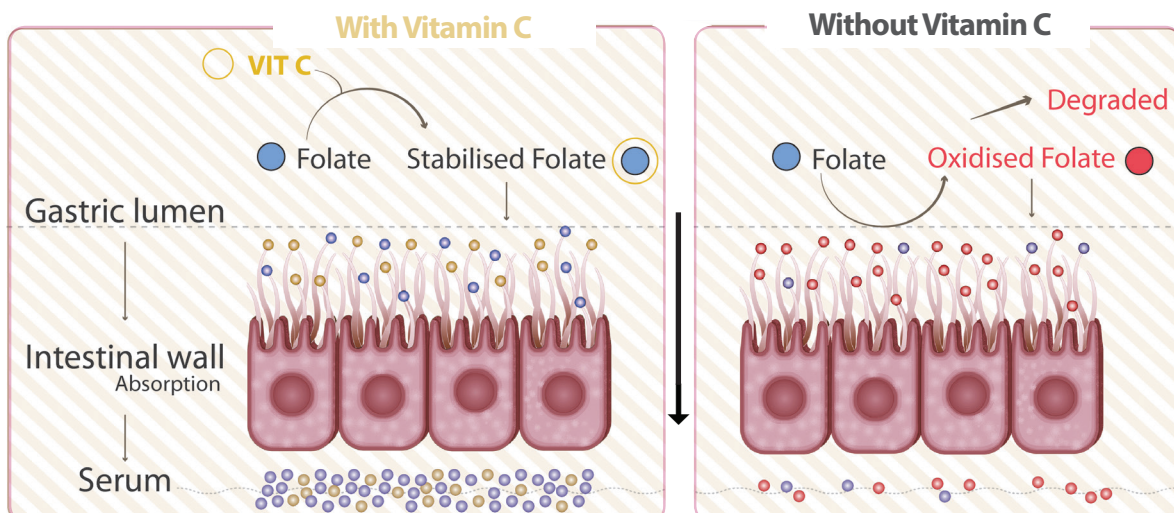


Figure 1 - Vitamin C supports the normal stabilisation and protection of Folate¹¹