

# Optimal MultiVitamin



## Clinical Applications

- Foundation Nutrition for a Variety of Protocols\*
- Basic “Insurance” Formula for Wellness\*
- Supports Antioxidant Protection\*
- Supports Detoxification\*
- Supports Health in Individuals with Poor Nutrient Intake\*
- Supports Individuals with Stressful Lifestyles\*

*This high-quality, hypoallergenic, multivitamin/mineral blend includes activated vitamins; folate as Quatrefolic® (5-MTHF) for optimal utilization; and patented Albion TRAACS® chelated mineral complexes in vegetarian capsules. The comprehensive nutrient profile in **Optimal MultiVitamin** supports foundational wellness; antioxidant activity with vitamins C and E, selenium, and beta-carotene; and phase I detoxification.\**

All KC PRO-NUTRIENTS Formulas Meet or Exceed cGMP Quality Standards

## Discussion

Good nutrition is a basis for wellness, and good nutrition usually translates into a stronger immune system and better health. An important aspect of good nutrition is micronutrition (vitamins and minerals).<sup>[1-4]</sup> Micronutrients participate in converting food to energy; building and repairing tissues and DNA; manufacturing neurotransmitters, hormones, and other modulators in the body; breaking down and detoxifying xenobiotics and medications; and maintaining growth, reproduction, and health. According to research by the USDA and other organizations, the American diet is lacking micronutrients.<sup>[5-8]</sup> In fact, nine out of 10 Americans are missing key micronutrients.<sup>[7]</sup> Mass food production, storage techniques, poor food choices, and nutrient-depleting preparation methods may contribute to inadequacies. The bottom line is that children and adults are not consuming enough nutrient-rich foods to meet all their most basic vitamin and mineral needs.<sup>[6]</sup> What’s more, some scientists feel that the recommended intakes (e.g., %DV, DRIs, EARs, RDAs) may not meet the requirements of all individuals, especially the chronically ill.\*

There are numerous reasons to select Optimal MultiVitamin:

**Balanced Profile** Vitamins and minerals work synergistically and cooperatively when present in proper amounts. However, imbalances between micronutrients can disrupt this synergistic relationship, possibly leading to instances of competitive intestinal absorption or displacement at the metabolic/cellular level, which can produce relative excesses and insufficiencies. For this reason, Optimal MultiVitamin feature a balanced nutrient profile that includes calcium and magnesium, zinc and copper, vitamins C and E, bioactive folate, vitamin B12, B vitamin complex, beta-carotene, and trace elements.\*

**Bioavailability** The micronutrients are provided in bioavailable forms so that they can be better absorbed and utilized. Optimal MultiVitamin contain a full complement of Albion® patented mineral chelates and complexes. Albion is a recognized world leader in mineral amino acid chelate nutrition and manufactures highly bioavailable nutritional mineral forms that are validated by third-party research and clinical studies. Not only do these formulas contain natural vitamin E, which has been proven to be up to 100% more bioavailable than synthetic dl-alpha-tocopherol, but it is also provides mixed tocopherols to more closely approximate how one might consume vitamin E in healthful foods.<sup>[9,10]</sup> Folate is provided as 5-methyltetrahydrofolate (5-MTHF)—the most bioactive form of folate.<sup>[11]</sup> Optimal MultiVitamin feature 5-MTHF as Quatrefolic®, which is proven to have greater stability, solubility, and bioavailability over calcium salt forms of 5-MTHF. Vitamin B12 is provided as MecobalActive™. This patented form of methylcobalamin has very high purity; no harmful solvents are used in its production.<sup>[12]</sup> Vitamins B2 and B6 are also provided in activated forms.\*

**Energy Production** Optimal MultiVitamin provide generous levels of B vitamins, which serve as prime coenzymes in glycolysis and oxidative phosphorylation and as cofactors in amino acid and lipid metabolism. The balanced presence of B vitamins is essential to their cooperative functioning and excellent for those with stressful lifestyles.\*

**Antioxidant Protection** Vitamins E and C, selenium, zinc, beta carotene, and trace elements provide broad-spectrum antioxidant activity. Their combined presence supports their ability to regenerate each other and maintain consistent levels of antioxidant activity both intra- and extracellularly.\*

**Detoxification Support** Xenobiotics, including environmental pollutants and medications, must undergo biotransformation into molecules that can be easily excreted from the body. There are significant levels of bioavailable riboflavin, niacin, folate, and B12 present in these formulas to support phase I detoxification. Beta carotene, vitamin C, tocopherols, selenium, copper, zinc, and manganese are present to protect tissues from reactive intermediates formed between phase I and phase II detoxification.\*

**\*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.**

Manufactured for:  
**KC PRO-NUTRIENTS**  
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Optimal MultiVitamin




# Supplement Facts

Serving Size: 2 Capsules  
Servings Per Container: 60

Amount Per Serving		%DV	Amount Per Serving		%DV
Vitamin A (75% as natural beta-carotene and 25% as retinyl palmitate)	1,120 mcg	124%	Calcium (as di-calcium malate <sup>S1</sup> , d-calcium pantothenate, and calcium ascorbate)	50 mg	4%
Vitamin C (as sodium ascorbate, potassium ascorbate, zinc ascorbate, and calcium ascorbate)	125 mg	139%	Iodine (as potassium iodide)	50 mcg	33%
Vitamin D3 (cholecalciferol)	2.5 mcg (100 IU)	13%	Magnesium (as di-magnesium malate) <sup>S2</sup>	50 mg	12%
Vitamin E (as d-alpha tocopheryl succinate)	67 mg	447%	Zinc (as zinc bisglycinate chelate) <sup>S2</sup>	6.5 mg	59%
Thiamin (as thiamine mononitrate)	10 mg	833%	Selenium (as selenium glycinate complex) <sup>S2</sup>	50 mcg	91%
Riboflavin (as riboflavin 5'-phosphate sodium)	10 mg	769%	Manganese (as manganese bisglycinate chelate) <sup>S2</sup>	0.25 mg	11%
Niacin (as niacinamide and niacin)	32 mg	200%	Chromium (as chromium nicotinate glycinate chelate) <sup>S2</sup>	250 mcg	714%
Vitamin B6 (as pyridoxal 5'-phosphate)	10 mg	588%	Molybdenum (as molybdenum glycinate chelate) <sup>S2</sup>	25 mcg	56%
Folate (170 mcg DFE as (6S)-5-methyltetrahydrofolic acid, glucosamine salt <sup>S1</sup> and 170 mcg DFE as calcium folinate)	340 mcg DFE	85%	Potassium (as potassium glycinate complex <sup>S2</sup> and potassium ascorbate)	49.5 mg	1%
Vitamin B12 (as methylcobalamin)	250 mcg	10,417%	Inositol	18 mg	**
Biotin	500 mcg	1,667%	PABA (para-aminobenzoic acid)	6 mg	**
Pantothenic Acid (as d-calcium pantothenate)	100 mg	2,000%	Vanadium (as vanadium nicotinate glycinate chelate) <sup>S2</sup>	375 mcg	**
Choline (as choline dihydrogen citrate)	18 mg	3%	** Daily Value (DV) not established.		

**Other Ingredients:** Capsule (hypromellose and water), microcrystalline cellulose, ascorbyl palmitate, silica, medium-chain triglyceride oil, and mixed tocopherols.

 S1. Quatrefolic<sup>®</sup> is a registered trademark of Gnosis S.p.A. Produced under US Patent 7,947,662.

 S2. Albion, DimaCal, TRAACS and the Albion Medallion design are registered trademarks of Albion Laboratories, Inc. Malates covered by U.S. Patent 6,706,904 and patents pending.

## Directions

Take two capsules twice daily, or as directed by your healthcare professional.

Consult your healthcare professional prior to use. Individuals taking medication should discuss potential interactions with their healthcare professional. Do not use if tamper seal is damaged.

## Formulated To Exclude

Wheat, gluten, yeast, soy, dairy products, fish, shellfish, peanuts, tree nuts, egg, ingredients derived from genetically modified organisms (GMOs), artificial colors, artificial sweeteners, and artificial preservatives.

## References

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## Warning

Accidental overdose of iron-containing products is a leading cause of fatal poisoning in children under 6. Keep this product out of reach of children. In case of accidental overdose, call a doctor or poison control center immediately.

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