

Body Renew Complete



Clinical Applications

- Supports Natural Detoxification Mechanisms*
- Supports Gastrointestinal Health*
- Supports a Balanced Cytokine Profile*
- Lactose-Free Vegan Protein*

***Body Renew Complete** is a comprehensive, fructose-free, low-allergy-potential dietary supplement designed to support gastrointestinal (GI) function and balanced detoxification. It features Vegan Protein Blend, Vitality Natural Health Care's proprietary amino acid and pea/rice protein blend; Aminogen®, to facilitate protein absorption; phytonutrients; mineral amino acid chelates; and activated B vitamins, including Quatrefolic®† and methylcobalamin. In conjunction with a modified elimination diet, Body Renew Complete addresses GI and hepatic function as well as eicosanoid balance and cytokine metabolism. This formula is suitable for vegans.**

All Vitality Natural Health Care Formulas Meet or Exceed cGMP Quality Standards

Discussion

Body Renew Complete contains macro- and micronutrients, as well as a host of ingredients (some patented or proprietary) that support fatty acid metabolism, gastrointestinal health, and healthy eicosanoid and cytokine metabolism. Activated cofactors support mitochondrial energy production needed for biotransformation and detoxification. This formula's ingredients help moderate phase I detoxification, upregulate and support phase II pathways, and provide antioxidant support as well.*

Protein Metabolism

Vegan Protein Blend is Vitality Natural Health Care's proprietary blend of pea protein isolate and rice protein concentrate, L-glutamine, glycine, and taurine. Generation of glutathione and sulfation cofactors—vital for phase II conjugation—requires an array of amino acids. The combination of pea protein and rice protein, containing a complement of amino acids, achieves an amino acid score of 100%. Glutamine, a conditionally essential and versatile amino acid with two nitrogen moieties, is crucial to nitrogen metabolism and helps maintain healthy liver tissue and function.^[1,2] The amino acid glycine is needed for bile synthesis, phase II detoxification, and glutathione production. Taurine, a derivative of the sulfur-containing amino acid cysteine, is also important for synthesis of bile salts and helps stabilize cell membranes.*

Gastrointestinal Support

Ginger root, included to support healthy digestion including the release of bile from the gallbladder, acts at several sites to moderate PGE(2) production and support the normal response to inflammation.^[3] Fiber (from inulin and flaxseeds) supports production of short-chain fatty acids as well as a healthy intestinal flora. **MeadowPure™**, an organic flaxseed complex, possesses excellent oxidative stability, supports antioxidant activity, and provides lignins, soluble fiber, and omega-3 and omega-6 essential fatty acids.^[4] **Glutamine** plays a key role in healthy intestinal cell proliferation and gut barrier integrity, immune function, and normal tissue healing.*^[1,2]

Detoxification Support

Ellagic acid (from pomegranate extract) prevents over-induction of CYP1A enzymes, works at the gene level to induce synthesis of glutathione-S-transferases and other phase II activities, binds directly to toxins, and protects DNA and hepatocytes.^[5,6] **Watercress** is a rich source of beta-phenylethyl isothiocyanate (PEITC)—a versatile compound found to inhibit phase I enzymes and induce the phase II enzymes associated with biotransformation and excretion of toxins. Watercress was found to contain even stronger phase II inducers known as 7-methylsulfinylheptyl and 8-methylsulfinyloctyl isothiocyanates as well.^[7,8] **Green tea catechins** not only support antioxidant activity but also appear to act as modulators of phase I and phase II detoxification.^[9] **Choline** is present to support lipid metabolism in the liver and can be converted to betaine, a methyl donor.*^[10]

The active, bioavailable form of **B vitamins** (pyridoxal-5'-phosphate (B6), 5-methyltetrahydrofolate (folate), methylcobalamin (B12)) and glycine all support amino acid conjugation and are vital for the detoxification of xenobiotics and xenoestrogens. 5-methyltetrahydrofolate (5-MTHF), methylcobalamin, betaine, and **methylsulfonylmethane (MSM)** are present to support methylation and detoxification. 5-MTHF supports healthy folate nutrition, especially in those with variations in folate metabolism. In Body Renew Complete, 5-MTHF is provided as Quatrefolic® for enhanced stability, solubility, and bioavailability.*^[11]

Preventium®, a patented form of potassium hydrogen d-glucarate, supports glucuronidation. Sulfation is supported by **MSM** and **sodium sulfate**. Acetylation is supported by **d-calcium pantothenate**, pyridoxal-5'-phosphate, and magnesium. Several minerals in Body Renew Complete are provided as Albion® mineral chelates and TRAACS® mineral amino acid chelates for enhanced gastrointestinal absorption and bioavailability.*^[12]

Antioxidant Support and Cytokine Balance

Bioflavonoids, quercetin, rutin, and curcumin support antioxidant activity, counter free radicals, and support healthy eicosanoid and cytokine metabolism.^[13,14] Curcumin has a long history of use for its support of a normal, healthy response to inflammation.^[15] **N-acetyl-cysteine (NAC)** stimulates glutathione synthesis, enhances glutathione-S-transferase activity, and promotes detoxification.^[16] **Selenium glycinate** provides support for glutathione metabolism and antioxidant protection.*

Body Renew Complete provides an array of nutrients that supports gastrointestinal health; detoxification and antioxidant mechanisms; and a normal, healthy response to inflammation and cytokine balance. This formula is designed to be used as part of a step-approach cleanse in conjunction with a modified elimination plan.*

***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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Body Renew Complete



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Supplement Facts

Serving Size: 2 Scoops (about 59 g)
Servings Per Container: About 14

Amount Per Serving	%Daily Value*	Amount Per Serving	%Daily Value*
Calories 240		Molybdenum (as TRAACS® molybdenum glycinate chelate)	35 mcg 47%
Calories from Fat 80		Sodium (naturally occurring)	590 mg 20%
Total Fat 9 g	14%	Potassium (naturally occurring)	510 mg 15%
Saturated Fat 2.5 g	13%		
Total Carbohydrate 16 g	5%	MeadowPure® Stabilized Flaxseed Complex	5.6 g **
Dietary Fiber 4 g	16%	Alpha-Linolenic Acid	1.28 g **
Sugars 5 g	**	Linoleic Acid	392 mg **
Protein 26 g	52%	Pomegranate Extract (<i>Punica granatum</i>)(hull)(40% ellagic acid)	400 mg **
Vitamin A (as natural beta-carotene)	2500 IU 50%	Betaine Anhydrous (trimethylglycine)	250 mg **
Vitamin C (as sodium ascorbate)	250 mg 417%	Lemon Bioflavonoid Complex (<i>Citrus x limon</i>) (fruit peel)(25% bioflavonoids)	250 mg **
Thiamin (as thiamine HCl)	15 mg 1000%	Quercetin	250 mg **
Riboflavin (as riboflavin 5'-phosphate sodium)	5 mg 294%	(as quercetin dihydrate from <i>Dimorphandra mollis</i>)(pod)	
Niacin (as niacinamide and niacin)	40 mg 200%	Preventium® (potassium d-glucarate)	250 mg **
Vitamin B6 (as pyridoxal 5'-phosphate)	5 mg 250%	Rutin (from <i>Sophora japonica</i>)(bud)	200 mg **
Folate (as Quatrefolic® (6S)-5-methyltetrahydrofolic acid, glucosamine salt)	200 mcg 50%	Turmeric Extract (<i>Curcuma longa</i>)(rhizome) (95% curcuminoids)	200 mg **
Vitamin B12 (as methylcobalamin)	50 mcg 833%	N-Acetyl-L-Cysteine	150 mg **
Biotin	150 mcg 50%	Ginger (<i>Zingiber officinale</i>)(rhizome)	150 mg **
Pantothenic Acid (as d-calcium pantothenate)	35 mg 350%	Methylsulfonylmethane (MSM)	120 mg **
Calcium (as DimaCal® di-calcium malate and ingredients with naturally occurring calcium)	245 mg 25%	Choline (as choline bitartrate)	100 mg **
Iron (naturally occurring)	7 mg 39%	Sodium Sulfate Anhydrous	100 mg **
Iodine (as potassium iodide)	60 mcg 39%	Watercress (<i>Nasturtium officinale</i>)(herb)	100 mg **
Magnesium (as Albion® di-magnesium malate)	140 mg 35%	Green Tea Aqueous Extract (<i>Camellia sinensis</i>)(leaf) (80% polyphenols, 60% catechins, 30% EGCG, 6% caffeine)	82 mg **
Zinc (as TRAACS® zinc bisglycinate chelate)	10 mg 67%		
Selenium (as Albion® selenium glycinate complex)	100 mcg 143%		
Manganese (as TRAACS® manganese bisglycinate chelate)	2 mg 100%		
Chromium (as TRAACS® chromium nicotinate glycinate chelate)	60 mcg 50%		

Other Ingredients: Vegan Protein Blend (Vitality Natural Health Care's proprietary blend of pea protein concentrate, pea protein isolate, taurine, glycine, rice protein concentrate, and L-glutamine), dried cane syrup, natural flavors (no MSG), sunflower oil, medium-chain triglyceride oil, tripotassium citrate, cellulose gum, xanthan gum, Aminogen®, stevia leaf extract, guar gum, and silica.

Preventium® is a registered trademark of Applied Food Sciences, LLC. (US patents 4,845,123, 5,364,644, 5,561,160).



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



AMINOGEN® is a registered trademark of Triarco Industries. AMINOGEN® is protected under U.S. patent 5,387,422.



Albion, DimaCal, TRAACS and the Albion Medallion design are registered trademarks of Albion Laboratories, Inc. Malates covered by US patent 6,706,904.

Directions

Blend, shake, or briskly stir 2 level scoops (59 g) into 10-12 ounces chilled, pure water (or mix amount for desired thickness) and consume once daily, or use as directed by your healthcare practitioner.

Consult your healthcare practitioner prior to use. Individuals taking medication should discuss potential interactions with their healthcare practitioner. Do not use if tamper seal is damaged. The labeling on this product does not comply with California's Proposition 65. Therefore, this product may not be sold in California.

Does Not Contain

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

Typical Amino Acid Profile Per Serving:

Alanine	1,129 mg	Methionine	279 mg
Arginine	2,260 mg	Phenylalanine	1,432 mg
Aspartic Acid	3,049 mg	Proline	1,141 mg
Cysteine	248 mg	Serine	1,404 mg
Glutamic Acid	4,450 mg	Threonine	981 mg
Glycine	1,578 mg	Taurine	500 mg
Histidine	652 mg	Tryptophan	258 mg
Isoleucine	1,214 mg	Tyrosine	1,005 mg
Leucine	2,208 mg	Valine	1,317 mg
Lysine	1,910 mg		

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