



Clinical Applications

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

*RealCleanse is a comprehensive, monk-fruit-extract-sweetened, low-allergy-potential dietary supplement designed to support gastrointestinal (GI) function and balanced detoxification. It features Vegan Protein Blend, RealDose Nutrition LLC's proprietary amino acid and pea/rice protein blend; Aminoger®, to facilitate protein absorption; phytonutrients; mineral amino acid chelates; and activated B vitamins, including Quatrefolic® and methylcobalamin. In conjunction with a modified elimination diet, RealCleanse addresses GI and hepatic function as well as eicosanoid balance and cytokine metabolism. This formula is suitable for vegans.**

All RealDose Nutrition LLC Formulas Meet or Exceed cGMP Quality Standards

Discussion

RealCleanse is now sweetened with a natural, high-potency sweetener extracted from monk fruit. This generally recognized as safe (GRAS) monk-fruit extract offers a high-quality sweetness and flavor without the bitter aftertaste associated with some natural sweeteners.

Protein Metabolism

Vegan Protein Blend is RealDose Nutrition LLC'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 such as 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 has been 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 individuals with variations in folate metabolism. In RealCleanse, 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 RealCleanse 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-acetylcysteine (NAC)** stimulates glutathione synthesis, enhances glutathione-S-transferase activity, and promotes detoxification.^[16] **Selenium glycinate** provides support for glutathione metabolism and antioxidant protection.*

***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.**



Creamy Chocolate Sugar- & Stevia-Free[‡]

Supplement Facts

Serving Size: 2 Scoops (about 57 g)
Servings Per Container: About 14

Amount Per Serving		%DV	Amount Per Serving		%DV
Calories					
Total Fat 8 g 10%*					
Saturated Fat 2 g 10%*					
Total Carbohydrate 13 g 5%*					
Dietary Fiber 6 g 21%					
Protein 26 g					
Vitamin A (as natural beta-carotene) 750 mcg 83%					
Vitamin C (as sodium ascorbate) 250 mg 278%					
Thiamin (as thiamine HCl) 15 mg 1250%					
Riboflavin (as riboflavin 5'-phosphate sodium) 5 mg 385%					
Niacin (as niacinamide and niacin) 40 mg 250%					
Vitamin B6 (as pyridoxal 5'-phosphate) 5 mg 294%					
Folate (as Quatrefolic® (6S)-5-methyltetrahydrofolate acid, glucosamine salt) 200 mcg DFE 50%					
Vitamin B12 (as methylcobalamin) 50 mcg 2083%					
Biotin 150 mcg 500%					
Pantothenic Acid (as d-calcium pantothenate) 35 mg 700%					
Choline (as choline bitartrate) 100 mg 18%					
Calcium (as DimaCal® di-calcium malate and ingredients with naturally occurring calcium) 225 mg 17%					
Iron (naturally occurring) 6 mg 33%					
Iodine (as potassium iodide) 60 mcg 40%					
Magnesium (as Albion® di-magnesium malate) 140 mg 33%					
Zinc (as TRAACS® zinc bisglycinate chelate) 10 mg 91%					
Selenium (as TRAACS® selenium glycinate complex) 100 mcg 182%					
Manganese (as TRAACS® manganese bisglycinate chelate) 2 mg 87%					
Chromium (as TRAACS® chromium nicotinate glycinate chelate) 60 mcg 171%					
Molybdenum (as TRAACS® molybdenum glycinate chelate) 35 mcg 78%					
			Sodium (from ingredients with naturally occurring sodium, sodium sulfate anhydrous, and sodium ascorbate) 580 mg 25%		
			Potassium (from tripotassium citrate and ingredients with naturally occurring potassium) 505 mg 11%		
			Stabilized Flaxseed 5.6 g **		
			Typical Alpha-Linolenic Acid Content 1.28 g **		
			Typical Linoleic Acid Content 392 mg **		
			Pomegranate Extract (<i>Punica granatum</i>)(hull)(40% ellagic acid) 400 mg **		
			Betaine Anhydrous (trimethylglycine) 250 mg **		
			Lemon Bioflavonoid Complex (<i>Citrus x limon</i>) (fruit peel)(25% bioflavonoids) 250 mg **		
			Quercetin (as quercetin dihydrate from <i>Dimorphandra mollis</i> (pod)) 250 mg **		
			Preventium® (potassium D-glucarate) 250 mg **		
			Rutin (from <i>Sophora japonica</i>)(bud) 200 mg **		
			BCM-95® Turmeric Extract (<i>Curcuma longa</i>)(rhizome)(95% total curcuminoids complex, including curcumin, curcuminoids, and volatile oils)(86% curcuminoids)(65% curcumin) 200 mg **		
			N-Acetyl-L-Cysteine 150 mg **		
			Ginger (<i>Zingiber officinale</i>)(rhizome) 150 mg **		
			Methylsulfonylmethane (MSM) 120 mg **		
			Sodium Sulfate Anhydrous 100 mg **		
			Watercress (<i>Nasturtium officinale</i>)(aerial parts) 100 mg **		
			Green Tea Aqueous Extract (<i>Camellia sinensis</i>)(leaf) (80% polyphenols, 60% catechins, 30% EGCG, 6% caffeine) 82 mg **		

Other Ingredients: Vegan Protein Blend (Company Name's proprietary blend of pea protein isolate, taurine, glycine, rice protein concentrate, and L-glutamine), cocoa powder, natural flavors (no MSG), sunflower oil, medium-chain triglyceride oil, cellulose gum, xanthan gum, Aminogen® fungal proteases, monk fruit extract, guar gum, and silica.

AMINOGEN® is a registered trademark of Innophos Nutrition, Inc. 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.

Quatrefolic®

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

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

BCM-95® is a registered trademark of DoiCas Biotech, Ltd. Protected under US patents 7,883,728; 7,736,679; and 7,879,373.

‡This formula is not a low-calorie dietary supplement. Please see the Supplement Facts panel for more details.

Directions

Blend, shake, or briskly stir 2 level scoops (53 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.

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	1,280 mg	Methionine	330 mg
Arginine	2,580 mg	Phenylalanine	1,630 mg
Aspartic Acid	3,400 mg	Proline	1,340 mg
Cysteine	300 mg	Serine	1,570 mg
Glutamic Acid	4,990 mg	Threonine	1,160 mg
Glycine	1,720 mg	Taurine	500 mg
Histidine	740 mg	Tryptophan	300 mg
Isoleucine	1,230 mg	Tyrosine	1,130 mg
Leucine	2,490 mg	Valine	1,490 mg
Lysine	2,120 mg		

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