

Detox Support Plus



Clinical Applications

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

*Detox Support Plus 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, Ingels Family Health'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, Detox Support Plus addresses GI and hepatic function as well as eicosanoid balance and cytokine metabolism. This formula is suitable for vegans.**

All Ingels Family Health Formulas Meet or Exceed cGMP Quality Standards

Discussion

Detox Support Plus 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 Ingels Family Health'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-methylsulfinyheptyl 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 Detox Support Plus, 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 Detox Support Plus 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.**

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Detox Support Plus



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 210 | | | | | |
| Total Fat | 8 g | 10%* | Sodium (from ingredients with naturally occurring sodium, sodium sulfate anhydrous, and sodium ascorbate) | 580 mg | 25% |
| Saturated Fat | 2 g | 10%* | Potassium (from tripotassium citrate and ingredients with naturally occurring potassium) | 505 mg | 11% |
| Total Carbohydrate | 13 g | 5%* | Stabilized Flaxseed 5.6 g ** | | |
| Dietary Fiber | 6 g | 21% | Typical Alpha-Linolenic Acid Content | 1.28 g | ** |
| Protein | 26 g | | Typical Linoleic Acid Content | 392 mg | ** |
| Vitamin A (as natural beta-carotene) | 750 mcg | 83% | Pomegranate Extract (<i>Punica granatum</i>)(hull)(40% ellagic acid) | 400 mg | ** |
| Vitamin C (as sodium ascorbate) | 250 mg | 278% | Betaine Anhydrous (trimethylglycine) | 250 mg | ** |
| Thiamin (as thiamine HCl) | 15 mg | 1250% | Lemon Bioflavonoid Complex (<i>Citrus x limon</i>) (fruit peel)(25% bioflavonoids) | 250 mg | ** |
| Riboflavin (as riboflavin 5'-phosphate sodium) | 5 mg | 385% | Quercetin (as quercetin dihydrate from <i>Dimorphandra mollis</i> (pod) | 250 mg | ** |
| Niacin (as niacinamide and niacin) | 40 mg | 250% | Preventium [®] (potassium d-glucarate) | 250 mg | ** |
| Vitamin B6 (as pyridoxal 5'-phosphate) | 5 mg | 294% | Rutin (from <i>Sophora japonica</i>)(bud) | 200 mg | ** |
| Folate (as Quatrefolic [®] (6S)-5-methyltetrahydrofolic acid, glucosamine salt) | 200 mcg DFE | 50% | 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 | ** |
| Vitamin B12 (as methylcobalamin) | 50 mcg | 2083% | N-Acetyl-L-Cysteine | 150 mg | ** |
| Biotin | 150 mcg | 500% | Ginger (<i>Zingiber officinale</i>)(rhizome) | 150 mg | ** |
| Pantothenic Acid (as d-calcium pantothenate) | 35 mg | 700% | Methylsulfonylmethane (MSM) | 120 mg | ** |
| Choline (as choline bitartrate) | 100 mg | 18% | Sodium Sulfate Anhydrous | 100 mg | ** |
| Calcium (as DimaCal [®] di-calcium malate and ingredients with naturally occurring calcium) | 225 mg | 17% | Watercress (<i>Nasturtium officinale</i>)(aerial parts) | 100 mg | ** |
| Iron (naturally occurring) | 6 mg | 33% | Green Tea Aqueous Extract (<i>Camellia sinensis</i>)(leaf) (80% polyphenols, 60% catechins, 30% EGCG, 6% caffeine) | 82 mg | ** |
| Iodine (as potassium iodide) | 60 mcg | 40% | * Percent Daily Values (DV) are based on a 2,000 calorie diet. | | |
| Magnesium (as Albion [®] di-magnesium malate) | 140 mg | 33% | ** Daily Value not established. | | |
| Zinc (as TRAACS [®] zinc bisglycinate chelate) | 10 mg | 91% | | | |
| Selenium (as Albion [®] 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% | | | |

Other Ingredients: Vegan Protein Blend (Ingels Family Health'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.

Directions

Blend, shake, or briskly stir 2 level scoops (57 g) into 10-12 ounces of 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.

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 | 1,330 mg | Tyrosine | 1,130 mg |
| Leucine | 2,490 mg | Valine | 1,490 mg |
| Lysine | 2,120 mg | | |

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

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