

Ultra Preventive® X

A comprehensive multivitamin/mineral with an organic fruit/vegetable/phytonutrient blend

DESCRIPTION

Ultra Preventive® X is Douglas Laboratories' signature formula and the most comprehensive multivitamin and mineral supplement, with an organic fruit, vegetable and phytonutrient blend. This unique formula provides antioxidant support and many beneficial nutrients, including carotenoids, flavonoids, polyphenols and bioavailable forms of vitamins and minerals that contribute to optimal health.†

FUNCTIONS AND MECHANISMS OF ACTION

Ultra Preventive® X has been carefully developed to contain adequate amounts of vitamins, minerals, and other beneficial nutrients and enzymes. Each ingredient is selected in consideration of its absorbability, competitive relationship with other nutrients, allergenic potential, and long-term safety. The specific nutrients are included in high-potency amounts because of the vital roles they play in antioxidant protection, cellular health, energy, methylation, the nervous system, and vascular, bone, heart and immune support, among other functions.†

Alpha-lipoic acid is a nutritional coenzyme that is involved in energy metabolism of proteins, carbohydrates and fats, has physiological functions for healthy blood glucose metabolism, and is able to scavenge a number of free radicals. Besides being a universal free radical scavenger, alpha-lipoic acid can also recharge other antioxidant systems such as glutathione and vitamins C and E.† Vitamin C is a potent water-soluble antioxidant nutrient, also protecting cells from oxygen free radical damage. It is essential for connective tissue and bone metabolism, capillary health, and immune function.† Vitamin C works together with vitamin E. Beta-carotene supports vitamin E, recognized as the body's most valuable fat soluble antioxidant. It prevents oxidation of unsaturated fatty acids by inactivating free radicals, thus stabilizing and protecting cell membranes, e.g., in the lungs, eyes, and arteries.†

The carotenoids lutein and zeaxanthin are important antioxidants in the macula of the eye, as evidenced by recent studies performed by the NIH National Eye Institute. Research has shown that these important carotenoids are the predominant pigments found in the macula to support healthy vision.†

The antioxidant activity of quercetin supports the gastrointestinal tract and immune system.† Quercetin increases mucus secretion from gastric cells. The mucus polysaccharide provides a protective buffer for the gastric cells from the low pH of the stomach contents. Quercetin also supports the normal immune response to antigens.† Quercetin inhibits the IgE-mediated release from mast cells as well as IgG-mediated histamine release. Many bioflavonoids, especially rutin and quercetin, support the health of the body's circulatory system by helping maintain capillary blood flow and proper vascular permeability, integrity, and resiliency.†

N-Acetyl-L-Cysteine is a precursor for the sulfur amino acid cysteine, which is used by the body to synthesize glutathione. Glutathione is a naturally occurring tripeptide that is a major component of two enzymes: glutathione peroxidase and glutathione reductase, which help scavenge toxic free radicals and inhibit peroxidation.†

Calcium and magnesium are included in a 1:1 ratio in bioavailable amino acid chelate and citrate forms to support bone and tissue health.† Vitamin D is responsible for the absorption of calcium into the blood, and Vitamin K2 deposits the blood calcium into bones and teeth. Therefore, consuming sufficient amounts of dietary calcium is not enough for bone and cardiovascular health; the body needs to distribute and utilize the calcium properly with aid of Vitamin K2.†

A significant dose of elemental **choline** from choline bitartrate is supplied in this formula. Choline acts as a methyl donor for homocysteine and folate metabolism in the methylation cycle following conversion to betaine, and also as a structural component of cellular membranes and synthesis of the neurotransmitter acetylcholine.† Choline and inositol are lipotropic factors that support liver function and mobilize fats and bile.†

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This formula contains methylated B vitamins for increased bioavailability to the body. Hydroxycobalamin is a precursor form of vitamin B12 converted in the body to both methylcobalamin and adenosylcobalamin. While methylcobalamin is found in the cytosol of cells and predominates in blood and other fluids, adenosylcobalamin is the major form of vitamin B12 stored in the mitochondria of cellular tissues.

L-methylfolate is the naturally occurring, predominant form of folate commonly found in cells and is essential for overall health, as it participates as a cofactor in a reaction that involves the remethylation of homocysteine to methionine.† Unlike synthetic folic acid, L-methylfolate can be used directly by the body, without the need for an additional conversion via the enzyme (5, 10 methylenetetrahydrofolate reductase (MTHFR)).

Ultra Preventive® X includes a specialized blend of organic phytonutrients. Chlorella and spirulina are microalgae that supply chlorophyll, carotenes, B-vitamins, and trace elements. Organic fruits and vegetables in powder form provide naturally occurring nutrients and antioxidants to help fight free radical damage and support cellular health.† Green tea with EGCG and grape seed extract provide polyphenol antioxidants for vascular support.† Enzymes such as betaine HCL, papain and bromelain aid in the digestion of foods.†

INDICATIONS

- Supports daily wellness†

FORMULA (#202346)**Supplement Facts****Serving Size 8 capsules:**

Vitamin A (as 67% natural beta carotene and 33% Vitamin A palmitate)	2250 mcg	250%
Vitamin C (as ascorbic acid)	500 mg	556%
Vitamin D3 (as cholecalciferol)	12.5 mcg (500IU)	63%
Vitamin E (as natural d-alpha tocopheryl succinate plus mixed tocopherols)	67 mg	447%
Thiamin	50 mg	4167%
Riboflavin (as Riboflavin/Riboflavin-5-phosphate)	25 mg	1923%
Niacin/Niacinamide	95 mg	594%
Vitamin B6 (Pyridoxine HCl/Pyridoxal-5-phosphate)	50 mg	2941%
Folate (as L-methylfolate, Metfolin® providing 800 mcg)	667 mcg DFE (400 mcg L-5-MTHF)	167%
Vitamin B12 (as methylcobalamin/adenosylcobalamin/hydroxycobalamin)	250 mcg	10,417%
Biotin	150 mcg	500%
Pantothenic Acid (as d-calcium pantothenate)	50 mg	1000%
Choline (from choline bitartrate)	137.5 mg	25%
Calcium (as calcium citrate/calcium chelate)	210 mg	16%
Iodine (from kelp)	100 mcg	67%
Magnesium (as magnesium citrate/magnesium chelate)	210 mg	50%
Zinc (as zinc chelate)	12.5 mg	114%
Selenium (as selenomethionine)	100 mcg	182%
Copper (as copper amino acid chelate)	1 mg	111%
Manganese (as manganese sulfate)	4.5 mg	196%
Chromium (as chromium polynicotinate)	100 mcg	286%
Molybdenum (as molybdenum Krebs*)	50 mcg	111%

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Potassium (as potassium chloride)	50 mg	1%
N-Acetyl L-Cysteine	75 mg*	
Betaine (as betaine HCL)	75 mg*	
Inositol	50 mg*	
Quercetin (as dihydrate)	50 mg*	
Lemon bioflavonoids	50 mg*	
Papain (from <i>Carica papaya</i> , fruit)	50 mg*	
Bromelain (from <i>Anana comosus</i> , pineapple stem)	25 mg*	
Grape seed extract (standardized to 92% polyphenols)	25 mg*	
Alpha Lipoic Acid	25 mg*	
Vitamin K2 (as menaquinone-7)	22.5 mcg*	
Rutin (from <i>Sophora japonica</i> , flower)	12.5 mg*	
Boron (as boron glycinate)	1.5 mg*	
Vanadium (as Vanadium Krebs*)	25 mcg*	

Proprietary Organic Fruit and Vegetable blend

Organic beet powder (root), Organic carrot powder (root),
 Organic black currant powder (fruit), Organic blueberry powder
 (fruit), Organic broccoli powder (whole plant), Organic Concord
 grape powder (fruit), Organic collard greens powder (leaf),
 Organic pomegranate powder (fruit), Organic green cabbage
 powder (whole plant), Organic cranberry powder (fruit), Organic
 kale powder (whole plant), Organic parsley powder (whole
 plant), Organic raspberry powder (fruit), Organic spinach powder
 (whole plant)

Organic Phytonutrient Blend

Organic Spirulina (whole plant)	50 mg*
Organic Chlorella (whole plant, broken cell wall)	50 mg*
Organic Green Tea leaf extract (standardized to 50% polyphenols, 20% EGCG)	25 mg*

Carotenoids

Lutein (from marigold flower extract)	5 mg*
Lycopene (from tomatoes)	3 mg*
Zeaxanthin isomers (from marigold flower extract)	1 mg*

Other Ingredients: Microcrystalline cellulose, hydroxypropyl cellulose, carboxymethylcellulose, ascorbyl palmitate, silica, coating (purified water, hypromellose, glycerin)

†Krebs = Citrate, Fumarate, Malate, Glutarate and Succinate Complex.

Metafolin® is a registered trademark of Merck KGaA, Darmstadt, Germany.

OptiZinc® is a trademark of InterHealth N.I.

Non-GMO, Gluten Free

This product does not contain milk, wheat, peanut, tree nut, fish, shellfish, eggs or soy

SUGGESTED USE

Adults take 8 tablets daily with food or as directed by a healthcare professional. This product is best taken with meals in divided doses, such as 4 tablets with 2 largest meals of the day.

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WARNING

Consult a health care professional before use if taking blood thinners. This product is not recommended for pregnant or lactating women. If you have any health conditions or are taking any medication, consult your health professional before use.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

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For more information on Ultra Preventive® X visit douglaslabs.com

† 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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DL202331-012018