

BrainChild Nutritionals

HerbaThione™ Formula

Recycles Glutathione, provides antioxidant, detoxification, immune, gastro-intestinal, & neurological function support.

Glutathione is one of the body's most powerful natural antioxidants and is a sulfur-rich tripeptide bonded from the three amino acids Cysteine, Glutamine, and Glycine. One of its most crucial functions is as Glutathione Peroxidase, which protects our body's cellular membranes from damage due to lipid peroxidation from hydrogen peroxide and other free radical challenges. Glutathione detoxifies many chemicals, including phenols, bacterial toxins, household chemicals, pesticides, and heavy metals.

Exposure to environmental toxins and genetically acquired defects in sulfur metabolism, or "envirogenetic" compromises in glutathione synthesis may hinder our body's ability to detoxify the toxins we encounter in our environments. The absorption of orally administered glutathione can be limited and even IV administration can have limited duration of elevated plasma levels. Vitamin C, Alpha Lipoic Acid, along with other antioxidant vitamins and minerals facilitate enhanced synthesis and recycling of glutathione which may serve to raise its plasma levels.

HerbaThione was carefully formulated to provide botanical antioxidant support of glutathione synthesis and recycling, as well as antioxidant, detoxification, immune, gastro-intestinal, & neurological function support. BrainChild Nutritionals is pleased to introduce this organically grown alcohol-free proprietary herbal extract blend to its line of quality liquid nutritional supplements. HerbaThione is an herbal tincture that combines the best of Western, Chinese, and Ayurvedic herbal traditions utilizing the following herbal antioxidant and liver protective constituents:

Ingredients: Organically grown, alcohol-free, proprietary herbal extract blend of: Ashwaganda Root, Burdock Root, Astragalus Root, Sarsaparilla Root, Fennel Seed, Ginkgo Leaf, Gotu Kola Leaf, Gymnema Sylvestre Leaf, Milk Thistle Seed, and Schisandra Fruit.

Other Ingredients: Purified water, natural lemon and lime extracts, kosher vegetable glycerine, L-Glycine, ascorbic acid.

Contraindications: Do not use with a cold/flu or during pregnancy or breast-feeding, prior to surgical procedures, or concurrently with blood-thinning medications. Consult with a qualified health practitioner prior to use if you have pre-existing health conditions.

Dosing:

2 full droppers under the tongue, 2-3 times a day 30 minutes before meals. Use 1 dropper 2x per day for children under five.

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Herbathione and the Herbs we Use

Herbathione is a natural tonifying Herbal Glutathione, Antioxidant, Detoxification Immune Gastro-Intestinal & Neurological Support Formula. The same herbs are used in our Spectrum Support I, II, IIPAK and III vitamin formulas.

Glutathione is one of the body's most powerful natural antioxidants and is a sulfur-rich tripeptide bonded from the three amino acids Cysteine, Glutamine, and Glycine. One of its most crucial functions is as Glutathione Peroxidase, which protects our body's cellular membranes from damage due to lipid peroxidation from hydrogen peroxide and other free radical challenges. Glutathione detoxifies many chemicals, including phenols, bacterial toxins, household chemicals, pesticides, and heavy metals.¹

Exposure to environmental toxins and genetically acquired defects in sulfur metabolism, or "envirogenetic" compromises in glutathione synthesis may hinder our body's ability to detoxify the toxins we encounter in our environments.² The absorption of orally administered glutathione can be limited and even IV administration can have limited duration of elevated plasma levels.³ Vitamin C, Alpha Lipoic Acid, along with other antioxidant vitamins and minerals facilitate enhanced synthesis and recycling of glutathione which may serve to raise its plasma levels. ^{4, 5, 6, 7}

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Ashwaganda Root *Withania somnifera*

Known as "Ayurvedic Ginseng," Ashwaganda has been used for centuries as a nervous system rejuvenator/protectant, for immune support, and for support of sleep disturbances, wasting diseases, failure to thrive in children, joint and nerve pains. It supports detoxification via its antioxidant function in the recycling of glutathione and support of superoxide dismutase. ^{8, 9, 10, 11}

Burdock Root *Arcticum lappa*

A mucilaginous herb that reduces inflammation and controls bacterial infection. Mild laxative. Supports lung, kidney, spleen, pituitary, lymphatic, thymus, and immune health. Blood cleanser and purifier, used with inflammatory conditions of chronic toxicity and for skin conditions. Promotes bile flow, liver cleansing, and enhanced liver glutathione. ^{12, 13}

Astragalus Root *Astragalus membranaceus*

A nourishing tonic that stimulates the immune system, spleen, lungs, adrenals, liver, circulatory, lymphatic, and urinary systems, lowers blood pressure and blood sugar levels. Aids digestion, promotes healing, inhibits lipid peroxidation. ^{14, 15, 16}

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Sarsaparilla *Smilax*

A cooling, alterative herb that has antibiotic, anti-inflammatory, diuretic. Used to clear toxins, particularly mercury and other heavy metals, and for liver, joint, skin, and urinary tract support, and skin. Enhances activities of antioxidant enzymes catalase, superoxide dismutase, and glutathione peroxidase. 29, 30

Fennel Seed *Agastache foeniculum*

A sweet aromatic flavoring herb that also promotes gastrointestinal motility, the functions of the liver, kidneys, spleen and supports respiratory function. Relieves abdominal pain, colon disorders, gas, and gastrointestinal tract spasms. Also, a natural sulfur source. 17, 18, 19

Ginkgo Biloba Leaf *Ginkgo Biloba*

Powerful antioxidant, dilates bronchial tubes and blood vessels, specifically increases cerebral and cardiac blood flow and available cerebral oxygen, controls allergic responses, and improves cardio-pulmonary function. Has anti-fungal and antibacterial effects. Helpful for depression, used for asthma, allergic inflammatory responses, cerebral insufficiency. Inhibits allergic response. Improves digestion. Increases cellular glutathione and liver-specific glutathione S-transferase. 20, 21

Gotu Kola Leaf *Centella asiatica*

Improves circulatory problems in the extremities and speeds healing. A rejuvenating herb that helps in wound healing, ulcerative conditions, depression and other nervous disorders. Improves muscle tone. and improves cardio-pulmonary function. normalizes blood pH. Supports liver and adrenal function. Known in Sanskrit as *brahmi*, meaning "bringing knowledge," and used to instill a sense of well being prior to meditation. This historical usage may be attributed to its effects on boosting acetylcholine. A potent antioxidant, it can raise levels of glutathione and antioxidant enzymes including catalase, glutathione peroxidase and superoxide dismutase. 22, 23

Gurmar Leaf *Gymnema Sylvestre*

Lowers blood sugar levels and helps to curb cravings for sweets by diminishing the taste bud to brain "sweet taste" response to sugar and supportive for normalizing blood sugar. Used in India as a daily garnish with meals. It also has been shown to increase fecal excretion of steroids and bile and inhibits mast cell release of histamine and hyaluronidase in allergic reactions. 24, 25, 26, 27

Milk Thistle Seed *Silibum marinum*

Protects the liver against toxins, particularly lipid peroxidation. Herbal antioxidant/free radical quencher. Leukotriene inhibitor. Regenerates liver cells and stimulates bile flow. Relaxes spasms. Sulfur source. Assists in regeneration of glutathione and restoration of cellular thiol status. Kidney support. Adrenal support. Aids inflammatory bowel disorders, weakened immune function. Helps to detoxify alcohol, drugs, and other chemical toxins. 28, 29, 30

Schisandra Fruit *Schisandra chinensis*

Regulates secretion of body fluids, moistens dry and irritated tissues. Acts as a tonic for the nervous, urinary, and cardiac systems. Liver protectant. Used traditionally for asthma, night sweats, urinary disorders, chronic and early morning diarrhea, palpitations, insomnia, and poor memory. Supports detoxification via recycling of glutathione.

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Hypoallergenic ascorbic acid/Vitamin C

Vitamin C facilitates enhanced synthesis and recycling of glutathione more effectively than either oral glutathione or N-Acetyl Cysteine. 4, 5, 6, 7

L-Glycine

This amino acid is 1/3 of the tripeptide construct of glutathione, along with cysteine and glutamine. Glycine also functions as the driving force for the singular glycine-driven phase II chemical detoxification pathway. This pathway clears phenols, salicylates, benzoates, excess organic acids, and many other toxins from the body. It is utilized in the construction of DNA and RNA, the synthesis of bile acids, in the repairing of damaged tissues, and is crucial in nervous system function as an inhibitory neurotransmitter. 31, 32, 33, 34

Natural Lemon flavor *Citrus limon*

Improves digestion, lowers blood pressure, diuretic, reduces inflammation, promotes gluconoride detoxification, improves peripheral circulation, and controls bacterial and fungal infections. Used for indigestion, flatulence, diarrhea, infant colic, and shock.

Vegetable glycerine

Inhibits cellular adhesion of bacteria and fungi, contains broad trace mineral profile. Provides sweetening and gentle laxative properties.

This is a proprietary formulary of herbs in a base of glycerine, distilled water and natural lemon flavor. This tincture is free of alcohol, gluten, casein, soy, corn, sugar, artificial colors, flavors, sweeteners, or preservatives. Shake well before each use and refrigerate after opening.

Dosage: 2 full droppers under the tongue, 2-3 times a day 30 minutes before meals. Use 1 dropper 2x per day for children under five. Do not use with a cold/flu or during pregnancy or breast-feeding, prior to surgical procedures, or concurrently with blood-thinning medications. Consult with a qualified health practitioner prior to use if you have pre-existing health conditions.

Herbathione™ Formula is available in:

1-oz glass bottle (with dropper)

4-oz glass bottle (with dropper)

8-oz glass bottle (no dropper)

FEINGOLD ASSOCIATION ACCEPTABLE FOR STAGE 1

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Citation References for HerbaThione™ Formula:

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