



Herbal extracts and potent antioxidants that support gastric, colon and liver cell functions

APPLICATIONS / BENEFITS

- Enhances fat metabolism within the liver
- Promotes glutathione synthesis
- Supports gastric, colon and liver cell functions
- Optimizes liver cleansing and toxin filtering activities
- Promotes safe elimination of toxins

OVERVIEW

With the high incidence of toxic chemicals in our environment, food, water, medications and even body tissues, some individuals experience an accumulation of harmful compounds in their bodies. A concentration of such substances can lead to a variety of metabolic dysfunctions, particularly to the immune, neurological and endocrine systems. Additionally, fat buildup in the liver can lead to liver damage. **Patient One LiverCare™** is a synergistic blend of antioxidants, herbs and nutrients that enhance the body's ability to detoxify and protect the liver. This combination aids in fat metabolism within the liver, supports the safe elimination of toxins and supplies antioxidants to help reduce free radical damage.

Increasing intake of water / fluids while using this product is recommended. Prior to embarking on a detoxification program it is also important to achieve optimal bowel function.

KEY INGREDIENTS

Milk Thistle Extract:

A common herb native to the Mediterranean, milk thistle has been broadly used for its nutritional support of liver function for two centuries. Seeds of the dried milk thistle flower are rich in silymarin, a bioflavonoid complex of silybin, silydianin, and silychristin. Silymarin protects the liver from free radical damage, supports glutathione concentrations and promotes superoxide dismutase activity. Milk thistle extract also stimulates protein synthesis in hepatic cells.

Vitamin C:

Vitamin C aids the detoxification process by limiting damage to the body from free radicals. Vitamin C strengthens the immune system and is especially effective in helping the body rid itself of heavy metal toxins like mercury, lead, cadmium and nickel.

Selenium:

Selenium is a trace mineral with an important role in detoxification. It is a cofactor for the production of glutathione peroxidase, a form of glutathione that enhances antioxidant protection against free radical damage. Selenium assists in the detox of heavy metals by enhancing the activity of lymphocytes and macrophages.

L-Glutathione:

Glutathione plays critical roles in protecting cells from oxidative damage and maintaining redox homeostasis. It is the most important low molecular weight antioxidant synthesized in cells. As a reducing molecule, glutathione reacts with oxygen species by neutralizing the unpaired electrons that make them highly reactive and dangerous. Over-production of reactive oxygen species impairs the intracellular glutathione homeostasis, leading to deficiency, a pathophysiological marker in alcoholic and non-alcoholic liver diseases. Evidence from experimental research and previous clinical studies shows glutathione administration appears a promising strategy to recover oxidative stress-induced liver damage.

Alpha Lipoic Acid:

An antioxidant that boosts tissue glutathione levels, α -lipoic acid (ALA) also plays a role in binding heavy metals. Insulin resistance, oxidative stress, inflammation and innate immune system activation contribute to the development of non-alcoholic fatty liver disease through steatosis and inflammation in the liver. ALA has been shown to improve insulin sensitivity and suppress inflammatory responses. ALA has been shown to improve liver antioxidative capacity by increasing total superoxide dismutase (SOD), manganese SOD, and copper/zinc-SOD activity as well as glutathione content.

Dandelion Root:

Dandelion root has been studied for its protective effects on

the liver, specifically protecting against cellular damage and abnormal growths caused by toxic chemicals. Used in traditional Chinese medicine for a variety of health benefits, dandelion contains protective flavonoids shown to have a capacity to scavenge free radicals, sequester metal ions, and reduce the breakage of supercoiled DNA strands induced by hydroxyl free radicals.

Artichoke:

Artichoke extract aids the digestive process by promoting healthy bile flow and intestinal motility, reducing toxin exposure in the gut. It also supports hepatic cell function and blood flow in the liver. Studies have shown antioxidative and protective properties against oxidative stress in animal hepatocytes. Also, it has shown to provide protection of lipoprotein from oxidation and inhibition of hemolysis in vitro.

BroccoSinolate® Broccoli Extract:

Broccoli sprouts are a rich source of glucosinolates and isothiocyanates that induce phase 2 detoxication enzyme and boost antioxidant status. Glucosinolates are hydrolyzed by myrosinase (an enzyme found in plants and bowel microflora) to form isothiocyanates. BroccoSinolate® ingredients were developed to capitalize on the health benefits of glucosinolates.

Turmeric Extract:

Studies of plant phytochemicals and their effects on liver and digestive tract functionality have shown artichoke, dandelion, and particularly turmeric have notable antioxidant activity. The combined actions of curcumin and silymarin include enhancing phase 2 detoxification enzymes, supporting glutathione synthesis and promoting gastric, colon and liver cell functions.

BioPerine® Black Pepper:

BioPerine®, a patented extract derived from the common black pepper fruit that contains the alkaloid piperine, has been shown to enhance the bioavailability and promote absorption of turmeric curcumin, as well as Vitamin C and selenium, in pre-clinical studies and in studies on human volunteers.

REFERENCES

1. "Alternative Therapies: Clinical Uses of Artichoke Extract" American Journal of Health-System Pharmacy. Volume 64. September 15, 2007.
2. "Antioxidant Activity of the Extracts of the Edible Part of Artichoke (*Cynara Scolymus* L.) Var. *Spinoso Sardo*" Authors: M.C. Alamanni and M. Cossu, Italian Journal of Food Science, number 2, volume 15, 200
3. "Hepatoprotective and free radical scavenging activities of phenolic petrosins and flavonoids isolated from *Equisetum arvense*". Author: Hyuncheol Oh, Do-Hoon Kim, Jung-Hee Cho, Youn-Chul Kim. Journal of Ethnopharmacology. Volume 95. 2004. 421-424.
4. Hepatol Res. 2006 Mar;34(3):199-206.
5. World J Gastroenterol. 2003 Apr;9(4):791-4.
6. C. J. Puotinen. Herbs for Detoxification. McGraw-Hill Professional, 1999. Print.
7. Kloss, Jethro. Back to Eden. Loma Linda: Back to Eden Publishing Co, 1992. Print.
8. Murray , Michael N.D. The Encyclopedia Of Healing Foods. New York: Atria Books, 2005.
9. Bowden, Jonny, Ph.D., C.N.S. The 150 Healthiest Foods on Earth. Fairwinds Press, 2007
10. Susnik F. The present state of knowledge about the medicinal plant *Taraxacum officinale* Weber [in Slovak; English abstract]. Med Razgl . 1982;21:323-328.

The statements in this document have not been evaluated by the FDA. This product is not intended to diagnose, treat, cure, or prevent any disease.

(631) 390-9669 info@patientoneformulas.com patientoneformulas.com

415 Oser Avenue, Suite Q1, Hauppauge, NY 11788

11. European Scientific Cooperative on Phytotherapy. *Taraxaci radix* (dandelion). Monographs on the Medicinal Uses of Plant Drugs, Fascicule 2. Exeter, UK: ESCOP; 1996-1997:2.

12. Bohm VK. Studies on the choleric action of some drugs [in German, English abstract]. *Arzneimittelforschung* . 1959;9:376-378.

Supplement Facts

Serving Size: 2 capsules Servings Per Container: 30 or 60

Amount Per Serving		% DV*
Vitamin C (as ascorbic acid)	200 mg	222%
Selenium (as L-selenomethione)	100 mcg	182%
L-Glutathione	100 mg	**
Alpha Lipoic Acid	150 mg	**
BroccoSinolate® Broccoli extract (<i>Brassica oleracea</i>) (stems & buds) [Standardized for minimum 4% total glucosinolates (6 mg)]	150 mg	**
Milk Thistle extract (<i>Silybum marianum</i>) (seeds) [Standardized for 80% silymarin (112 mg)]	140 mg	**
Dandelion (<i>Taraxacum officinale</i>) (root)	100 mg	**
Artichoke (<i>Cynara scolymus</i>) (leaf)	100 mg	**
Turmeric extract (<i>Curcuma longa</i>) (rhizome) [Standardized for 95% curcuminoids (95 mg)]	100 mg	**
BioPerine® Nature's Thermonutrient™ (<i>Piper nigrum</i>) (fruit) providing 95% piperine (2.85 mg)]	3 mg	**

* Daily Values based on 2,000 calorie diet ** Daily Value not established

Other Ingredients: vegetable cellulose (capsule), rice flour, leucine, silica

Free of: milk, egg, fish, peanuts, crustacean shellfish, soy, tree nuts, wheat, yeast and gluten. Free of ingredients derived from GMOs.

Suggested Use: Take 2 capsules each morning on an empty stomach as a dietary supplement or as directed by your health practitioner. Increased water / fluids intake throughout the day is recommended during use. Store in a cool, dry place.

Caution: Do not use if pregnant, nursing or allergic to ragweed. If you are taking any medications, consult your health practitioner before use. Discontinue use and consult your health practitioner if any adverse reactions occur. **Keep out of reach of children.**

BioPerine® is a patented product from Sabinsa Corp. BroccoSinolate® is a registered trademark of Cyvex.

Vegetarian

Gluten Free

Non-GMO

Vegetable Caps

Patient One
MediNutritionals

© MediNutritionals Research LLC 2021