

**Anti-Alcohol Antioxidants with HepatoProtection Complex**

**100 capsules**

Item Catalog Number: 00802

Consuming alcoholic beverages results in the generation of free radicals. People who drink a lot of alcohol often suffer because of massive free radical-induced cellular damage. Alcohol-induced free radical assault can wreak short-term havoc throughout the body, and these same damaging free radicals are associated with accelerated aging.

Reactive oxygen species (ROS) have been associated with acute ethanol-induced liver damage. A study published in the journal *Artery* confirmed a specific toxic metabolite of alcohol (acetaldehyde) and identified an antidote (N-acetyl-cysteine): “All known pathways of ethanol metabolism result in the production of acetaldehyde, a highly reactive compound. N-acetyl-cysteine (NAC), an analogue of the dietary amino acid cysteine, binds acetaldehyde, thus preventing its damaging effect on physiological proteins.”<sup>29</sup> NAC is a glutathione precursor and direct antioxidant. Pretreatment with or co-administration of NAC helps to inhibit acute ethanol-induced liver damage via counteracting ethanol-induced oxidative stress.<sup>30,31</sup> NAC also attenuates the progression of the abnormal retention of lipids within liver cells by decreasing development of oxidative stress and subsequent increases in TNF-alpha.

Thus, when people are exposed to a known toxic substance such as alcohol, it makes perfect sense to take a proven antidote — namely, antioxidants.

Anti-Alcohol Antioxidants with HepatoProtection Complex is an improved formula containing additional antioxidants designed to suppress free radicals, neutralize toxic alcohol metabolites such as acetaldehyde,<sup>32-35</sup> and support healthy liver function. In addition to vitamin B1, vitamin C, N-acetyl-cysteine and benfotiamine, this formula’s HepatoProtection Complex provides therapeutic doses of these novel antioxidants:

- Chlorophyllin — an agent that protects the body from oxidative stress<sup>36-38</sup>
- Leucoselect® grapeseed extract, silymarin (from milk thistle), and resveratrol — three hepatoprotective agents that aid in reducing compounds from potentially toxic xenobiotics and protecting cells from free radical-induced oxidative stress<sup>39-41</sup>
- Picroliv® *Picrorhiza kurroa* root extract — contains antioxidant kutkin that scavenges alcohol-induced excess free radicals, and stimulates regeneration of cells (hepatocytes)<sup>42</sup>
- Barley grass powder extract — enhances the enzyme aldehyde dehydrogenase, thus inhibiting the formation of acetaldehyde malondialdehyde<sup>43</sup>

Taking the proper supplements before and after drinking can substantially protect liver cells from the free-radical damaging effects of alcohol consumption.

**References**

**Supplement Facts**

Serving Size 6 capsules

Servings Per Container 16

**Amount Per Serving**

Vitamin C (as ascorbic acid)	3000 mg
Vitamin E (as d-alpha tocopheryl succinate)	50 IU
Thiamin (vitamin B1) (as thiamine HCl)	1000 mg
Selenium (as sodium selenate)	25 mcg
Copper (from sodium copper chlorophyllin)	4.57 mg
N-acetyl-L-cysteine	600 mg
Glutathione (reduced)	50 mg
Benfotiamine	50 mg

**HepatoProtection Complex**

Chlorophyllin (from sodium copper chlorophyllin)	100 mg
Leucoselect® Grapeseed ( <i>Vitis vinifera</i> ) std, procyanidin extract	20 mg
Silymarin [from Milk Thistle ( <i>Silybum marianum</i> ) extract (seed)]	20 mg
Picroliv® ( <i>Picrorhiza kurroa</i> ) standardized kutkin extract (root)	15 mg

Barley Grass (*Hordeum vulgare*) whole powder (leaves)

15 mg

*Trans-resveratrol* [from whole red grape (*Vitis vinifera*) and *Polygonum cuspidatum* (root) extracts] [also supplying resveratrol glycosides (polydatin)]

5 mg

Other ingredients: gelatin, vegetable stearate, rice flour.

Contains soybeans. Contains rice.

This product contains NO milk, egg, fish, peanuts, crustacean shellfish (lobster, crab, shrimp), tree nuts, wheat, yeast, gluten or corn. Contains NO sugar, and no artificial sweeteners, flavors, colors, or preservatives.

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## Dosage and Use

- Take one capsule with each alcoholic beverage, or as recommended by a healthcare practitioner.
- A maximum of six capsules per day.
- If no capsules are taken with alcoholic beverages, take six capsules at bedtime.

## Caution

This product does not prevent, reduce or modify any of the mental impairment effects that alcohol induces. Consuming alcohol and taking this product will not allow a person to safely operate a vehicle or any other equipment. Do not drink and attempt to drive.

## Warnings

- Keep out of reach of children.
- Do not exceed recommended dose.
- Do not purchase if outer seal is broken or damaged.
- If you have a bad reaction to product discontinue use immediately.
- When using nutritional supplements, please consult with your physician if you are undergoing treatment for a medical condition or if you are pregnant or lactating.

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