

HEPATICLEAR[™]

A dietary supplement to support liver health and detoxification functions.*

Hepaticlear[™] is a comprehensive formula designed to support liver functions in the following ways:

- Phase I and Phase II liver detoxification*
- Fat metabolism*
- Antioxidant protection*
- Glutathione production*

Phase I detoxification involves a group of enzymes, known as the cytochrome P450 family, which are all imbedded in healthy cell membranes of liver cells. When cytochrome P450 metabolizes a toxin, it chemically transforms it to a less toxic form, and/or makes it water soluble for the Phase II enzymes.

Phase II detoxification involves a process called conjugation, which neutralizes the toxin and makes it easily excreted through the urine or bile. There are six Phase II detoxification pathways; glutathione conjugation, amino acid (namely glycine) conjugation, methylation, sulfation, acetylation and glucuronidation.

Phase I detoxification support:

- Choline and Inositol are necessary components of all cell membranes.* It is essential for the membranes of liver cells to be healthy in order to support the Cytochrome P450 enzymes. Choline and Inositol also support fat and cholesterol metabolism within the liver.*
- DIM (diindolylmethane) is a naturally occurring sulfur compound found in cruciferous vegetables, like broccoli or cauliflower. It has been found to support both Phase I and Phase II liver detoxification as well as the detoxification of estrogen metabolites.*
- Biotin is a B vitamin which aids in cell growth, fat metabolism and energy generation.*

Phase II detoxification support:

- Calcium glucarate is a buffered source of glucuronic acid which supports glucuronidation.* The glucuronidation process aids the body in detoxifying and eliminating fungal toxins, steroid hormones and automobile exhaust.
- Milk Thistle is an herb that has been used traditionally for liver health.* Its active constituent, silybin, acts as an antioxidant, supports glutathione levels and normal liver cell regeneration.*
- L-Methionine is an amino acid necessary for the production of SAME and the methylation pathway. Methionine is a sulfur-containing amino acid that aids in fat metabolism and glutathione production.*
- N-Acetyl Cysteine is a derivative of the amino acid cysteine. Cysteine is an important amino acid for the formation of glutathione.*
- L-Glycine is important for the amino acid conjugation pathway which is used to combine with and neutralize unwanted substances.* Those individuals on a low protein diet may become deficient in the glycine conjugation pathway when chronically exposed to toxins.*

- Alpha lipoic acid is a fat and water soluble antioxidant that may help recycle other natural antioxidants involved in liver metabolism.*
- Turmeric is an herb that has been used in traditional medicine in India for centuries.* Turmeric has a rich store of antioxidants which help to protect cells from free radicals.* It has also been shown to support gallbladder function, an important organ involved in the storage and release of bile.*

Suggested Use: As a dietary supplement, take 1 capsule, twice daily, or as directed by your healthcare practitioner.

Supplement Facts

Serving Size 1 Capsule

Servings Per Container 60

Amount Per Serving	% Daily Value
Biotin 50 mcg	167%
Choline (as Choline Bitartrate) 80 mg	15%
Calcium (as Ca D-Glucarate) 6 mg	<1%
Milk Thistle (<i>Silybum marianum</i>)	
Seed Extract 200 mg	*
yielding Silymarin 160 mg	
L-Methionine 100 mg	*
Turmeric (<i>Curcuma longa</i>) Root Powder 80 mg	*
N-Acetyl Cysteine 50 mg	*
Inositol 25 mg	*
L-Glycine 25 mg	*
DIM® (a proprietary enhanced bioavailability complex of starch, diindolylmethane, Vitamin E as tocophersolan, phosphatidylcholine, silica.) 25 mg	*
Alpha Lipoic Acid 20 mg	*

*Daily Value not established.

Other ingredients: hypromellose (capsule), vegetarian leucine, microcrystalline cellulose.

Warning: If pregnant, nursing, or planning on becoming pregnant, do not take this product.

VEGETARIAN / GLUTEN FREE / SOY FREE

DIM® is a registered trademark of, and is licensed from, BioResponse, LLC, Boulder CO US Patent # 6,086,915

*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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