

## FEATURES CONTINUED

### Folic Acid:

Integral factor involved in the formation of nucleic acids and the production of healthy DNA and chromosomes. In particular, this B vitamin is critical for the proper neural and cellular development of the fetal central nervous system. Folic acid promotes healthy cellular differentiation during the formation of the brain and spinal cord, helping to prevent neural tube defects. Additionally, folic acid is important for the growth and reproduction of red and white blood cells. Folic acid helps to support healthy homocysteine metabolism.\*

## RECOMMENDATIONS

Helion Nutraceuticals recommends (for adults): 3 to 9 capsules daily, in divided doses.

**Maintenance:** 1 capsule, 3 times a day.

**Therapeutic:** 4 capsules, 3 times a day.



Three vegetable capsules contain:

Alpha Lipoic Acid	250 mg
N-Acetyl-Cystiene	400 mg
Glycine	1000 mg
Magnesium Glycinate	125 mg
Malic Acid	100 mg
Calcium D-glucarate	100 mg
MSM	75 mg
Folic Acid	400 mcg



## REFERENCES

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- <sup>6</sup>Webb TE, Pham-Nguyen MH, Darby M, Hamme AT. Pharmacokinetics relevant to the anti-carcinogenic and anti-tumor activities of glucarate and the synergistic combination of glucarate: retinoid in the rat. *Biochem Pharmacol* 1994 Apr 29;47(9):1655-60.
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- <sup>12</sup>Yin M, Ikejima K, Arteel GE, Seabra V, Bradford BU, Kono H, Rusyn I, Thurman RG. Glycine accelerates recovery from alcohol-induced liver injury. *J Pharmacol Exp Ther* 1998 Aug;286(2):1014-9.
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- <sup>14</sup>Morrison HI, Schaubel D, Desmeules M, Wigle DT. Serum folate and risk of fatal coronary heart disease. *JAMA* 1996 Jun 26;275(24):1893-1896.
- <sup>15</sup>Van Allen MI, Fraser FC, Dallaire L, Allanson J, McLeod DR, Andermann E, Friedman JM. Recommendations on the use of folic acid supplementation to prevent the recurrence of neural tube defects. *CMAJ* 1993 Nov 1;149(9):1239-43.

\*This is a statement of nutritional support. This statement has not been evaluated by the Food & Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease. For educational purposes only. Consult your physician for any health problems.

# CLEARTOX™

Hepatic  
Detoxification  
Support  
Formula

## FEATURES INCLUDE

### Alpha Lipoic Acid:

Supports healthy liver function by scavenging free radicals and promoting the synthesis, regeneration, and concentration of glutathione in the liver. Studies also reveal the potential for alpha lipoic acid to facilitate the biliary excretion of inorganic mercury as well as to moderate lead and cadmium induced oxidative stress.\*

### N-Acetylcysteine (NAC):

Provides free radical scavenger and additional glutathione-boosting properties. Several studies suggest that NAC administration to animals may help to reduce mercury and cadmium accumulation in the kidneys and liver, and/or moderate the effects of these metals in these tissues. NAC may achieve these actions, in part, by facilitating mercury removal from tissues, promoting healthy glutathione levels, or protecting tissues from peroxidation generated by heavy metals.\*

### Glycine:

Supplementation with glycine has been shown to support healthy kidney and liver function, as well as nervous system health. Animal studies suggest that glycine plays a protective role for the kidneys and liver, particularly by supporting detoxification of certain chemicals. Glycine has also been shown to moderate the release of cytokines during times of metabolic stress.\*

### Magnesium glycinate:

Highly absorbable magnesium chelate for sensitive individuals; assists the uptake and utilization of calcium, synergizes the secretion of parathyroid hormone, and is a vital nutrient cofactor in detoxification pathways.\*

### Malic Acid:

Serves as a substrate for energy release from the Krebs cycle (a physiological process in the body that metabolizes fats and sugars), and aids in promotion and excretion of bile.\*

### Calcium D-glucarate:

A patented form of glucaric acid, calcium d-glucarate is a robust nutrient with the potential to support the body's natural ability to detoxify endogenous and environmental compounds and to promote cellular health for tissues including the liver, prostate, lung, breast and colon. In the liver, toxic compounds are bound to glucuronic acids so that they can be eliminated in a safe form from the body in a cleansing process known as glucuronidation. Beta-glucuronidase is a naturally occurring enzyme found in various organs and cells, which can cleave apart these neutral compounds. Studies have indicated that d-glucarate moderates beta-glucuronidase enzyme activity, supporting the process by which healthy cells eliminate waste and foreign elements. Other studies suggest the promising role of d-glucarate in supporting healthy lipid metabolism.\*

### Methylsulfonylmethane (MSM):

Supplies a concentrated bioavailable source of elemental sulfur, an essential phase II enzyme detoxification cofactor, as well as an essential micronutrient vital for healthy tissues.\*