

# **Detox Phase I & II**

**Detoxification Support**\*

Detox Phase I & II is a comprehensive supplement to support the liver's detoxification process.\*

Advancements in the modern world have created numerous toxins, chemicals, and environmental pollutants that are potentially harmful to human health. These include substances like pesticides, air pollution, heavy metals, molds, xenobiotics, and various synthetic chemicals. Over time, exposure to these substances can be detrimental to health and longevity. 1,2,3 Maintaining proper liver function by supporting detoxification and elimination of toxins, chemicals, and pollutants is critical for overall health. 4,5

### How Detox Phase I & II Works

The body's natural detoxification process is largely dependent upon the liver, involves several enzymatic processes, and is divided into two phases.<sup>6</sup> Phase I is the activation of enzymes to begin oxidizing, breaking down, and hydrolyzing waste products. Phase II enzymes perform conjugation reactions that move the broken down metabolites from phase I through the body for excretion. A build-up in the body of toxins, chemicals, and environmental pollutants can cause adverse reactions during the natural enzymatic processes and may result in oxidative stress on the liver.<sup>7</sup>

This is when nutritional supplements high in antioxidants, phytonutrients, and micronutrients such as NutriDyn's Detox Phase I & II are beneficial to use. By providing nutrients to support the body in its natural detoxification processes, the harmful toxins, chemicals, and environmental pollutants can then be eliminated from the body.

## New and Improved Detox Phase I & II Formula

Increased dosage of calcium-D-glucarate (275 mg), N-acetyl-cysteine (100 mg), and milk thistle extract (100 mg).<sup>8,9,10</sup> Based on modern clinical research, alpha-lipoic acid and diindolymethane have also been added to NutriDyn's Detox Phase I and II supplement.<sup>11,12</sup>

These key antioxidants ensure adequate micronutrients, phytonutrients, and cofactors to support safe and effective detoxification. \*13 These improvements to the formulation provide maximum support for healthy liver detoxification. \*

## **Detox Phase I & II Supplementation**

Clinical evidence and research cited herein shows that the ingredients in Detox Phase I & II may:

- Support healthy liver function
- Support the body's natural elimination process\*
- Support detoxification by providing essential micronutrients, phytonutrients, and cofactors



Form: 90 Capsules Serving Size: 3 Capsules

Ingredients	Amount	%DV	Ingredients	Amount	%DV
Vitamin A	505 mcg RAE	56%	Milk Thistle Extract	100 mg	××
(as retinyl palmitate and 4% fron			(seed; Silybum marianum)		
Vitamin C (as magnesium ascorbat		186%	Alpha Lipoic Acid	100 mg	**
Vitamin E	69 mg	460%	N-Acetyl-L-Cysteine	100 mg	××
(as d-alpha tocopherol succinate)			DIM (diindolylmethane)	80 mg	××
Thiamin (as thiamin HCI)	8.3 mg	692%	L-Methionine	66.7 mg	**
Riboflavin	8.3 mg	638%	Glycine	66.7 mg	**
Viacin	10 mg NE	63%	L-Glutamic Acid HCl	66.7 mg	**
Vitamin B6 (as pyridoxine HCI)	10 mg	588%	Taurine	66.7 mg	**
Folate	333 mcg DFE	83%	L-Glutamine	66.7 mg	**
	mcg folic acid)		Choline Bitartrate	66.7 mg	**
(as (6S)-5-methyltetrahydrofolic acid, glucosamine salt)			Quercetin Dihydrate	66.7 mg	**
Vitamin B12 (as methylcobalamin)	0.4 mcg	17%	Inositol	33.3 mg	**
Biotin	0.66 mcg	2%	L-Ornithine L-Aspartate	33.3 mg	**
Pantothenic Acid	33.3 mg	666%	Broccoli Extract [0.4% sulforaphane	33.3 mg	**
(as calcium pantothenate)			(sprouts; Brassica oleracea L. var. i	talica)]	
Magnesium (as magnesium ascorb	ate, 61 mg	15%	L-Glutathione	16.7 mg	××
magnesium citrate, and magnesi	um malate)		L-Serine	16.7 mg	××
Zinc (as zinc picolinate)	2 mg	18%	L-Histidine HCI	16.7 mg	**
Selenium (as L-selenomethionine)	0.33 mcg	<1%	Carnitine (as L-carnitine tartrate)	16.7 mg	**
Manganese	495 mcg	22%	Coenzyme Q10	8.3 mg	**
(as manganese glycinate chelate)			Grape Seed Extract [95% polypheno	ls 3.3 mg	××
Molybdenum	51 mcg	113%	(seed; Vitis vinifera)]		
(as molybdenum glycinate chelat	e)		Superoxide Dismutase	33 mcg	**
			Catalase	15 mcg	**
Calcium D-Glucarate	275 mg	**		-	

#### Other Ingredients:

Gelatin (capsule), microcrystalline cellulose, and magnesium stearate (vegetable source).

Quatrefolic® is a registered trademark material of Gnosis SpA. Patent No. 7,947,662.

### **Directions:**

Take three capsules daily as a dietary supplement, or as directed by your healthcare practitioner.

Caution: If you are pregnant, nursing, or taking medication, consult your healthcare practitioner before use. Keep out of reach of children.









GLUTEN-FREE

DAIRY-FREE

NON-GMO

PRODUCED IN A cGMP FACILITY

 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.



For more information, visit: www.nutridyn.com

### References:

- 1. Mulware, S. J. (2013). Trace elements and carcinogenicity: A subject in review. Biotech, 3(2), 85-96.
- 2. Mishra, K. P. (2009). Lead exposure and its impact on immune system: A review. Toxicology in Vitro, 23(6), 969-972.
- 3. Hendryx, M., Fedorko, E., & Halverson, J. (2010). Pollution sources and mortality rates across rural-urban areas in the United States. *The Journal of Rural Health*, 26(4), 383-391.
- 4. Colborn, T., vom Saal, F. S., & Soto, A. M. (1993). Developmental effects of endocrine-disrupting chemicals in wildlife and humans. *Environmental Health Perspectives*, 101(5), 378-384.
- 5. Singleton, D. W., & Khan, S. A. (2003). Xenoestrogen exposure and mechanisms of endocrine disruption. Frontiers in Bioscience, 8, 110-118.
- 6. Percival, M. (1997). Phytonutrients and detoxification. Clinical Nutrition Insights, 5(2).
- 7. Liska, D. J. (1998). The detoxification enzyme systems. Alternative Medicine Review, 3(3), 187-98.
- 8. Hanausek, M., Walaszek, Z., & Staga, T. J. (2003). Detoxifying cancer causing agents to prevent cancer. Integrative Cancer Therapies, 2(2), 139-144.
- 9. Van Zandwijk, N. (1995). N-Acetylcysteine (NAC) and glutathione (GSH): Antioxidant and chemopreventive properties, with special reference to lung cancer. *Journal of Cellular Biochemistry*, 59(S22), 24-32.
- 10. Abenavoli, L., Capasso, R., Milic, N., & Capasso, F. (2010). Milk thistle in liver diseases: Past, present, future. *Phytotherapy Research*, 24(10), 1423-1432.
- 11. Krinsky, D. L., LaValle, J. B., Pelton, R., & Hawkins, E. B. (2003). Natural Therapeutics Pocket Guide (2nd ed.). Hudson, OH: Lexi-Comp.
- 12. Suzuki, Y. J., Aggarwal, B. B., & Packer, L. (1992). Alpha-lipoic acid is a potent inhibitor of NFkappa B activation in human T cells. *Biochemical and Biophysical Research Communications*, 189(3), 1709-1715.
- 13. Dalessandri, K. M., Firestone, G. L., Fitch, M. D., Bradlow, H. L., & Bjeldanes, L. F. (2009). Pilot study: Effect of 3,3'-diindolylmethane supplements on urinary hormone metabolites in postmenopausal women with a history of early-stage breast cancer. *Nutrition and Cancer*, 50(2), 161-167.