MetalDetox Protector

Code: FE0603 – 90 vegetable capsules



METAL-DETOX PROTECTOR is a multi-antioxidant formula, which due to its antioxidant properties and ability to chelate heavy metals, can be of great help for their detoxification and elimination from the body.

These heavy metals include aluminium, mercury, cadmium, lead and arsenic. We are exposed to these metals through environmental contamination, dental fillings, pesticides, cosmetics, kitchen utensils, chemical substances found in tap water and some food products.

This contamination negatively affects the body, causing the onset of diverse symptoms and discomfort. Combating free radicals, chelating heavy metals to facilitate their expulsion and supporting liver function in the cleansing process are vital.

Contamination from heavy metals considerably reduces one of the most important antioxidant enzymes, glutathione. In addition to its antioxidant action, glutathione has a detoxifying effect as well. It's needed for the conversion of toxins and heavy metals, which are liposoluble in nature, into toxins soluble in water, thereby facilitating their excretion through urine. High levels of this enzyme are essential to protect ourselves from the environmental toxins surrounding us every day and to fight free radicals.

Vitamin C helps protect cells from oxidative damage, contributes to normal immune system function and energy metabolism, and helps decrease tiredness and fatigue.

METAL-DETOX PROTECTOR is unique among antioxidant formulas in its therapeutic effectiveness for a number of conditions, including contamination and disease, and its ability to protect the liver.

Ingredients: Vitamin C (ascorbic acid), *N*-acetyl-L-cysteine, L-glutathione, DL-*alpha*-lipoic acid, anticaking agents: vegetable magnesium stearate and silicon dioxide, vegetable capsule (glacing agent: hydroxypropylmethylcellulose; purified water).

Nutritional information:	1 capsule	Size and format:
	(610 mg)	
	75 mg	90 vegetable capsules
L-glutathione	100 mg	
N-acetyl-L-cysteine	125 mg	
Vitamin C (ascorbic acid)	200 mg (250%*)	
*NRV: Nutrient Reference Value in %	, <u> </u>	Recommended daily dose:
Contains no: Preservatives, artificial flavour or colour, sugar, milk	or milk products,	1-2 capsules daily
starch, wheat, soy, or yeast.		Do not exceed the stated recommended daily dose.

Indications and uses:

Different studies have shown that METAL-DETOX PROTECTOR is helpful for processes of heavy metal detoxification.

Cautions:

Consult a health-care practitioner prior to use if you are pregnant or breast-feeding, or if you are treated with medication. Consult a health-care practitioner for use beyond 6 months. Consult a health care practitioner prior to use if you have diabetes; if you have cystinuria; if you are taking nitroglycerin; or if you are taking antibiotics.

As the body detoxifies from heavy metals, symptoms similar to those already existing may occur. This is a normal and temporary reaction.

It's important to ensure daily intestinal transit during the period of detoxification in order to prevent toxins from being reabsorbed through the intestine; this will reduce the possible discomfort of the detoxification process.

It is also important to ensure a good balance of friendly bacteria in the intestine.

A mineral rich diet, especially in calcium, is important since mineral levels decline in the presence of heavy metals. Drink at least 10 cups of pure water per day during detoxification, and don't drink alcohol, coffee, tea or cola drinks in order to avoid overwhelming the liver and kidneys.

An alkaline, balanced diet is required during the detoxification period. That's why it's recommendable to eat vegetables, fruit, almonds, seeds and gluten-free grains (rice, millet, quinoa and amaranth). Foods that overload the immune system should be minimized, such as tomatoes, potatoes, citrus fruits, red meat, chicken and dried fruit.

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<u>DL-ALPHA-LIPOIC ACID</u>: It's a powerful, water soluble antioxidant with important metabolic and detoxifying properties. It supports the liver in its cleansing and regeneration. It also activates other antioxidants, such as vitamins C and E and stimulates glutathione production. It therefore has the ability to chelate heavy metals, facilitating their transport and elimination⁽¹⁾.

L-GLUTATHIONE: Present in our cells, this substance is predictive of how long we will live. Glutathione has been called the "master antioxidant", and regulates other, lesser antioxidants such as vitamins C and E in the body; without glutathione, vitamins C and E cannot adequately protect the body against disease. Glutathione regulates and regenerates immune cells and is considered the most valuable detoxifying agent in the human body⁽¹⁾. Low levels are associated with liver and immune dysfunction, cardiac disease, premature ageing and death^(2,3).

Glutathione (I-gamma-glutamyI-L-cysteinyI-glycine) is a tripeptide of the amino acids cysteine, glycine and glutamic acid. Glutathione is an antioxidant compound found in live tissue of animals and plants. It takes in and releases hydrogen and is important for cellular respiration. A glutathione deficiency can cause haemolysis (destruction of red blood cells in the blood leading to anaemia) and oxidative stress (cell damage by toxic free radicals). Glutathione is essential for intermediate metabolism as a donor to the sulfhydryl group, essential for acetaminophen detoxification⁽⁴⁾.

<u>N-ACETYL-L-CYSTEINE (NAC)</u>: An important precursor to glutathione, NAC provides significant protection against toxins and free radicals, and is able to strengthen the immune system. NAC is an acetylated form of the amino acid cysteine that is absorbed more efficiently⁽⁵⁾. It's also a useful antioxidant in the fight against viruses. It's commonly used as an antimucolytic agent and to protect the body from paracetamol intoxication. It's important to highlight that this formula helps the body synthesize glutathione⁽⁶⁾.

VITAMIN C: Upon taking N-acetylcysteine or glutathione, vitamin C is recommended at the same time in order to keep these amino acids from oxidizing in the body. Ascorbic acid is an essential nutrient for the maintenance of antioxidant and liver protection. Vitamin C also works together with the antioxidant enzymes catalase and superoxide dismutase. It's responsible for the regeneration of oxidized vitamin E in the body and therefore strengthens the antioxidant benefits of vitamin E^(7,8). This vitamin, like N-Acetyl-L-Cysteine (NAC), has a great capacity to raise glutathione levels. It reduces the free radicals generated in metabolic processes caused by heavy metals^(5,8).

References:

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