

Superoxide Dismutase & the Immune System

Antioxidants are an important part of effective immune system support. That goes almost without saying, but what we often forget is that the three most important antioxidants for immune health are Glutathione, Superoxide Dismutase (SOD), and Catalase.

What exactly are SOD and Catalase, and why are they important to immune health? Whereas most antioxidants such as vitamin C, vitamin E and carotenoids interact with free radicals (superoxides) on a one on one basis and are then used up, SOD and Catalase are actually enzymes that have the ability to catalyze free radicals without being consumed themselves. This means that even a small increase in these important enzymes can have a long term effect in protecting us from free radicals. Because they are so important to our immune system, we actually produce these enzymes in our liver and spleen. As we age, however, and as a result of poor diet and stress, we often cannot keep up with the body's need to quench free radicals.

Here is the good news. From their years of research and development, Biotics Research has been able to produce a tableting base from raw, organic vegetable culture that is very rich in SOD and Catalase. What that means is that in every supplement that uses vegetable culture, you are getting a significant amount of antioxidant protection in addition to the nutrients you are expecting.

Because free radicals are involved in most disease processes and are particularly important to immune health, you may want to use larger amounts of SOD and Catalase. Luckily there are three specific products that very specifically increase SOD.

Dismuzyme PlusTM provides a vegetarian source of Superoxide Dismutase and Catalase. Supplies Superoxide Dismutase (SOD) and catalase from our proprietary vegetable culture. Free radicals cause biological damage, generally by oxidative processes. SOD is the primary enzymatic free radical scavenger in humans, converting superoxide radicals to hydrogen peroxide and oxygen. Catalase converts, hydrogen peroxide to oxygen and water, and therefore complements SOD activity.

Dismuzyme Plus 5000TM provides 5,000 units of SOD and 5,000 units of Peroxidases (as catalase and glutathione peroxidase) from both bovine liver and raw organic vegetable culture. Supplies SOD (from liver and vegetable culture) with peroxidases, combined with elements necessary for the production of SOD and peroxidases.

Dismuzyme Plus GranulesTM are an excellent way to supply higher amounts of vegetable culture either by itself or as an ingredient in healthy shakes. Supplies Dismuzyme Plus in a granule form.

Please contact us for any further information.

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