



SOD B PRIMO-ANTIOXIDANT®

PROTECTION AT SOURCE



Context

When we get older, our body oxidizes and our endogenous natural primary antioxidant defenses are overwhelmed, accelerating cell oxidative damages. When over produced and not neutralized, ROS lead to oxidative stress and induce non-reversible damages on body cells such as lipid membranes peroxidation, mitochondria damages, proteins oxidations and DNA alterations.

Highly concentrated in Superoxide Dismutase (SOD, 5,000 IU/g), only molecule able to control the superoxide anion ($O_2^{\cdot-}$) production recognized as the most harmful free radical, SOD B Primo-antioxidant® prevents oxidative stress at the source.

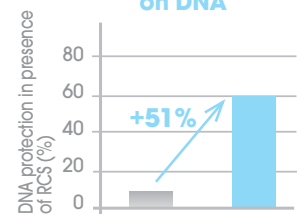


Scientific evidence

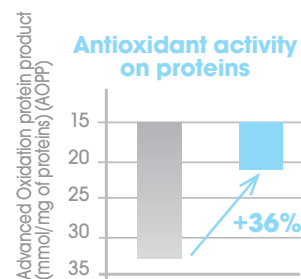
SOD B Primo-antioxidant®, only bioactive SOD available on the market, provides a unique protection thanks to its precursor activity against the source of all oxidative damages in the body. Its benefits are backed up by *in vivo* and *in vitro* scientific assays.

In vitro tests have demonstrated the ability of SOD B Primo-antioxidant® (1mg/mL) to improve DNA protection in presence of ROS. Similarly, *in vivo* studies in an obese hamster model established that SOD B Primo-antioxidant® (15 mg/day) significantly improves antioxidant activity in the body by reducing proteins and lipids oxidation.

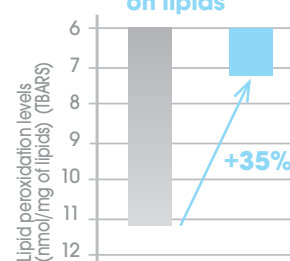
Antioxidant activity on DNA



Antioxidant activity on proteins



Antioxidant activity on lipids



■ Control ■ SOD B Primo-antioxidant®

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Health benefits

As every cell can be damaged by oxidative attacks, removal of free radicals by antioxidant compounds is an important strategy to prevent cell oxidation and aging.

Highly guaranteed in natural bioactive SOD, SOD B Primo-antioixdant® provides an efficient protection at the source of the free radicals production. Thanks to its unique way of action, SOD B Primo-antioixdant® has been demonstrated to correct oxidative stress and inflammation, providing several health benefits whatever the body cell. Each benefit is backed by scientific support.

SOD B Primo-antioixdant® is an effective primary antioxidant solution which can be easily associated with usual secondary antioxidants (vitamines, polyphenols, minerals, carotenoids) for optimal benefits.

SOD B Primo-antioixdant® is an effective primary antioxidant solution which can be easily associated with usual secondary antioxidants (vitamins, polyphenols, minerals, carotenoids) for optimal benefits. Efficient at low recommended dosage, SOD B Primo-antioixdant® is adapted for the formulation of numerous nutritional applications.



*Full scientific dossier on request



Highly guaranteed in SuperOxide Dismutase (SOD), SOD B Primo-antioixdant® provides a unique protection against oxidative mechanisms due to its ability to restore optimal endogenous antioxidant defenses and neutralize precursors of cell oxidation.

Specifications

	SOD B Primo-antioixdant®	
Botanical origin	Melon fruits (<i>Cucumis melo</i> L.)	
Active compounds	SOD activity higher than 5,000 IU/g	
Recommended dosage	20-200 mg depending on the application & formulation	
Applications	Grade M Tablets, Pills, Capsules, Softgels	Grade S Sticks, Sachets, Syrup Tisane, Effervescent, Gums

Bibliography

Carillon J, Del Rio D, *et al.* Food Chemistry, 2012.
Ginoux J, Dreyer A, *et al.* Patents #FR 2716884 & EP0670366, 1995.
Decordé K, Agne A, *et al.* J. Agric. Food. Chem., 2009.
Lacan D. Unpublished Work, 1999.

*These statements have not been evaluated by any governmental authorities.
This product is not intended to diagnose, treat, cure or prevent any disease.*



Site Agroparc, Bâtiment Orion
Chemin des Meinajaries
CS 80501
F-84908 AVIGNON Cedex 9- FRANCE
Tel: +33(0)490.843.170
Fax: +33(0)490.840.047
contact@bionov.fr
www.bionov.fr