

WITH MEGAMIN AGAINST FREE RADICALS AND DISEASES

In recent years more and more time is spent in discussions about free radicals as the most responsible factors of many pathological conditions in an organism.

90% of different diseases (malignant, cardiovascular, diabetes, arthritis, neuro-degenerative diseases etc.) as well as ageing appear as the consequences of cellular functional disorder and the damage of the cell itself, what is caused by direct or indirect influence of Oxygen Free Radicals. Free radicals supervise many processes in transmission of signals and expression of genes.

Because of all that, powerful multinational pharmaceuticals companies try to make products which can supervise and regulate redox processes in the cells and tissues and that way to control the diseases. There are two different groups of such products: one is based on development of powerful liquid antioxidants and the other on the development of powerful solid antioxidants. In the development of the first antioxidants groups from the USA and Japan have distinguished themselves from the others and in the development of solid antioxidants a group from Zagreb has gone the most further. As the result of all those attempts and researches a powerful antioxidant and imunomodulate MEGAMIN has appeared on the Croatian market.

WHAT ARE THE FREE RADICALS?

Free radicals can be defined as chemical species which can have one or more unpaired electrons in the outer layer (free electron) and because of that they cause different chemical reactions which lead to changes on the biomolecular level. In the search for the "lost" electron free radicals start a chain of chemical reactions with cellular lipids proteins, carbohydrates and enzymes as well as the cellular DNA that leads to the damage of the cell and at the end to the death of the cell.

Smoking, incorrect eating habits, different radiation and exposure to harmful chemicals decrease natural defensive power of an organism and increase the danger of free radicals aggression. For example: science studies have shown that smoking individuals have DNA 30-40 times more damaged than non-smoking individuals. So, cells and tissues are constantly exposed to the affection of oxygen radicals which are taken in from outside or of oxygen free radicals which are formed as the secondary products of some phases of metabolism processes, and because of that cells and tissues are in the constant danger of oxidative changes.

With its own antioxidant system (e.g. native enzymes) the cell protects itself from their harmful effects. But during some time that defensive system weakness and under the influence of free radicals it becomes insufficient and as the result of all of that appears the damage of the cell and at the end a disease.

An organism uses two different defensive mechanisms: one is its own which controls creation of free radicals and repairs damaged tissues and the other one is natural

antioxidants such as vitamins A, C and E, carotenoids, flavonoids, coenzymes Q 10 and others. These natural antioxidants are taken into the organism by food and different vitamin and mineral products. Some of those vitamin and minerals products are about to become a medicine of the 21st century.

As a powerful antioxidant and regulator of a redox process in cells MEGAMIN belongs to those products.

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<http://www.megamin.net/>