

# The Concept and Effects of MRET Activated Water

© By Igor Smirnov, Ph.D., USA

## Abstract

*Today everybody is aware about the importance of water for health. The beneficial, rejuvenating and healing properties of water from several water springs are known for centuries. In the last decades the serious scientific studies were conducted on biochemical, physical and microbiological properties of water. The water inside and around the cells in biological systems has specific dynamic multilayer structuring as it was established by world known microbiologists such as Dr. Ling and Dr. Drost-Hansen. Only such structured water can effectively influence all life supporting processes both inside and outside the cells. The process of MRET activation changes the structure of water and other liquids creating the long-range dynamic multilayer water molecular structures similar to the structures of cell water in biological systems. The incredible health benefits of MRET water were demonstrated in the process of several microbiological investigations such as Oncology Research on 500 mice, Staphylococcal Infection Research on 400 mice, etc.*

## Introduction

Today everybody is aware about the importance of water for health. It is well known that the body of an average matured person consists of 70% of water (actually from 45% for old people up to 85% for babies) and the brain contains 90% of liquid. The disputes regarding the optimal amount of water for daily consumption have ceased and now most of the opponents refer to 1.5-2 liters a day. A question regarding what kind of water is good for health is still in the process of discussion. There are a lot of devices on the market which are claimed as producing the water beneficial for health. How to make a right choice?

The beneficial, rejuvenating and healing properties of water from several water springs are known for centuries. In the last decades the serious scientific studies were conducted on biochemical, physical and microbiological properties of water. The short overview presented below will help to give answers to the questions which worry a lot of people:

- ◆ What properties of water make the water beneficial for health?
- ◆ Why does the water from certain natural water springs have beneficial, healing and rejuvenating properties?
- ◆ And whether it is possible to have a source of such water at home?

Speaking about healing water people usually talk about such properties as the content of minerals, Redox potential (reduction-oxidation reaction), balanced pH index and in the last years about the structure of water. The first three parameters are well-known and rather easy to measure in appropriate laboratories. The application of the term “structured water” and the description of properties of such water requires the serious scientific investigations.

By definition the structured water is the water in which part of molecules are stuck together forming repeating geometrical structures or clusters and other free water molecules move around these structures. The more molecules of water form structures, and the longer they do not break up, the more effective is the process of water structuring. For example, the ice water remains structured during only several minutes after defrosting. The water inside and around the cells in biological systems has specific dynamic multilayer structuring as it was established in the last decades by world known microbiologists such as Dr. Ling (Ling 2003, 2001) and Dr. Drost-Hansen (Drost-Hansen 1991, 1971). Only such structured water can effectively influence all life supporting processes both inside and outside the cells. For example, it has a unique capacity to create protective water “environment” around the big biological molecules and around the cells, thus, for instance, preventing the red blood cells from sticking together. Only the water with the structure and properties similar to the structured water in our organism is beneficial for the body and can produce healing effects.

During the process of structuring of the regular drinking water our organism spends a lot of energy. In modern world we are subjected to numerous stresses and as a result our organism suffers from a lack of energy. Therefore, the body cannot always produce the necessary amount of structured water. In its turn a lack of structured water leads to the distortion of the work of all systems in the body and as result to even greater shortage of energy.

MRET water activating technology can help to break off this vicious circle. MRET water activator structures the water before you drink it. Thus, you get a unique source of water with the beneficial, healing and rejuvenating properties at home. During the 30 minutes MRET activator produces 2 liters of structured water with beneficial properties which were extensively studied and confirmed by numerous biological and physical experiments at Certified Research Institutions and Universities.

## Molecular Resonance Effect Technology (MRET)

The process of MRET activation changes the structure of water and other liquids creating the long-range dynamic multilayer water molecular structures similar to the structures of cell water in biological systems. During the process of activation the water is subjected to the subtle low-frequency electromagnetic fields comparable with geomagnetic field of the Earth in the areas around healing water springs. These spontaneous electromagnetic fields are generated by unique MRET polymer compound with fractal structure which has properties compatible with the properties of the cellular fractal structures existing in living tissues. Therefore, such fields can enter into a resonance with the electromagnetic signals of the cells in living organisms. The fields generated by MRET polymer affect the water in the same way as the signals generated by the fractal structures of living tissues affect the cell water. As a result they structure MRET water similar to the cell water structuring. It is biologically safe process because MRET water is produced with the help of non-contact process from drinking water and remains chemically pure and non toxic. It can keep its structural basis and significant part of beneficial properties for a long time (not less than 24 hours at a room temperature and not less than 45 days refrigerated at a temperature of +4 degrees of Celsius).

Microbiological and physical properties of MRET activated water were studied in leading Research Institutions and Universities,\* presented at numerous International Scientific Conferences and published in scientific books and magazines.

The structural changes in the water after MRET activation were confirmed by Nuclear Magnetic Resonance and High Voltage Photography testing. The researches of anomalous viscosity and electrodynamic characteristics of MRET water confirmed the long-range dynamic multilayer structuring of MRET water similar to cell water. Bioelectrical Impedance analysis showed the biological compatibility of MRET water with cell water as well as significantly enhanced hydration capacities of water after the process of MRET activation and its easy absorption by the tissues of the body (Smirnov 2007-1, 2007-2).

The incredible health benefits of MRET water were demonstrated in the process of several microbiological investigations such as Oncology Research on 500 mice, Staphylococcal Infection Research on 400 mice, numerous experiments on Antibacterial Sterilizing Effects of MRET water and its Stimulating Effect on Metabolic (biological) Activity of Complex Microbiological Associations similar to microbiological flora in the intestine, Inhibition of Growth of Mutated Cells, Enhanced Morphology of Red Blood Cells and significant Rebounding Effect on White Blood Cells during the chemotherapy treatments (Smirnov 2008, 2007-1, Vysotskii 2006).\*\*

As a summary it is possible to say that the consumption of MRET activated water significantly enhances homeostasis, metabolism, immune response and the factors, such as phagocytosis, of natural resistance of the body against the penetration and reproduction of bacteria, viruses and other pathogenic microorganisms (Smirnov 2006-1, 2006-2, Vysotskii 2005).

Unique properties and benefits of MRET activated water:

- ◆ MRET water has a unique long-range dynamic structuring similar to cell water. It is compatible with cell water and as a result it has the enhanced hydration capacities and it is easy absorbed by the tissues of the body. MRET water penetrates into the cells and exterminates from the cells about three times faster than regular water.
- ◆ Improves nutrient transport and assimilation due to the fact of faster hydration.
- ◆ Accelerates and improves the processes of extermination of waste products out of the body and the detoxification of the body due to the enhanced cellular hydration.
- ◆ The intensified hydration with the structured MRET water leads to the improvement of metabolism and of the process of regeneration of healthy cells, thus substantially enhancing homeostasis of the body. It also helps to slow down the process of ageing because this process is closely related to the cells dehydration. Therefore, the application of MRET water in cosmetic purposes improves the skin, strengthens and makes shine the hair.
- ◆ MRET water has antibacterial sterilizing effect. It inhibits the growth of bacteria, viruses and mutated cells and supports the life activity of normal healthy cells.
- ◆ Significantly improves the work of the immune system, including the factors of natural resistance of the body against the penetration and reproduction of bacteria, viruses and other pathogenic microorganisms, such as phagocytosis, thus strengthening the resistance of the body to infections.

### \*MRET water studies at

#### Research Institutions and Universities:

- ◆ California State University, San Diego, USA
- ◆ Cedar-Sinai Medical Center, Los Angeles, USA
- ◆ Engene Biotech, Inc., Rancho Santa Fe, USA
- ◆ Nu Mega Resonance Lab, San Diego, USA
- ◆ USACAI Environmental Lab, Carlsbad, USA
- ◆ Meixa Tech Laboratory, Cardiff, USA
- ◆ Geotechnical & Environmental Sciences Lab, San Diego, USA
- ◆ Elixir-Health Ltd., Singapore
- ◆ Kiyv National Shevchenko University, Ukraine
- ◆ Kiyv Institute of Experimental Pathology, Oncology and Radiobiology of Ukrainian Academy of Science

- ◆ Kiyv Institute of Microbiology and Virology of Ukrainian Academy of Science
- ◆ Kiyv Institute of Plants Genetics of Ukrainian Academy of Sciences
- ◆ Moscow State University, Russia

The results of scientific researches, publications, scientific conferences and detailed information are presented on the web site of the manufacturer Global Quantech, Inc. [www.gqusa.com](http://www.gqusa.com).

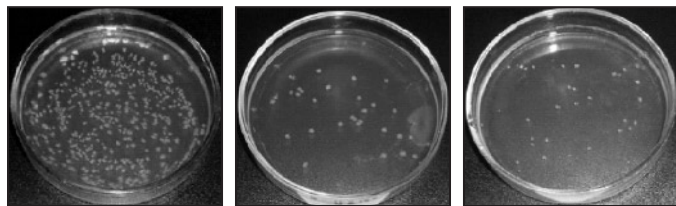
**\*\* Selected Research Results:**

**Researches In Animal Models** confirmed: MRET water has very high hydration capacities, accelerates the intracellular/extracellular water exchange and enhances homeostasis, metabolism, immune response and the factors, such as phagocytosis, of natural resistance of the body to the penetration and reproduction of bacteria, viruses and other pathogenic microorganisms.

**Oncology Research on 500 mice:** MRET water increased the life span by **61%** and inhibited the tumor growth by **76%** (during 3 weeks testing).

**Staphylococcal Infection Research on 400 mice:** **0%** death rate on MRET water *verses* **30%** death rate on regular water (during 9 days testing).

**Scientific Investigations In Vitro** confirmed: MRET water significantly inhibits the growth of bacteria, viruses and mutated cells. 🌸



**Control      tact = 30 min      tact = 60 min**  
The effect of MRET activation on the inhibition of growth of culture of *Staphylococcus aureus*



**tact = 60 min      tact = 30 min      Control**  
The effect of MRET water on the growth of kallus tissue (mutated psoriasis cells of botanical origin)

*REFERENCES:*

Drost-Hansen, W. and Singleton, J.L. (1991) "Our Aqueous Heritage: Evidence for Vicinal Water in Cells" in "Fundamentals of Medical Cell Biology" (E.E. Bittar, ed.) Vol.3A, Chapter 5, JAJ Press, Inc.

Drost-Hansen, W. (1971) In "Chemistry of the Cell Surface" Part B. (H.D. Brown, ed.) Academic Press, New York, p.1

Ling, G.N. (2003) "A New Theoretical Foundation for the Polarized-Oriented Multilayer Theory of Cell Water and for Inanimate Systems Demonstrating Long-range Dynamic Structuring of Water Molecules" *Physiol. Chem. Phys. & Med. NMR* 35: 91-130, USA

Ling, G.N. (2001) "Life at the Cell and Below-Cell Level: The Hidden History of a Fundamental Revolution in Biology" Pacific Press, New York

Smirnov, I.V. (2008) "The Effect of MRET Activated Water on Microbiological Culture *Escherichia coli* K-12 and on Complex Microbiological Associations" *Explore*, 2008, Vol.17, No.1, 57-61

Smirnov, I.V. (2007-1) "MRET Activated Water and its Successful Application for Preventive Treatment and Enhanced Tumor Resistance in Oncology" *European Journal of Scientific Research*, 2007, Vol.16, No.4, 575-583, <http://www.eurojournals.com/Vol%2016%20No%204.htm>

Smirnov, I.V. (2007-2) "The Anomalous Low Viscosity and Polarized-Oriented Multilayer Molecular Structure of MRET Activated Water" *Explore*, 2007, Vol.16, No.4, 37-39

Smirnov, I.V. (2006-1) "The Physiological Effect of MRET Activated Water on Patients Suffering from AIDS" *Explore*, 2006, Vol.15, No.2, 37-40

Smirnov, I.V. and Peerayot, T. (2006-2) "The Physiological Effect of MRET Activated Water" *Explore*, 2006, Vol.15, No.1, 38-44

Vysotskii, V.I. (2006) "The Biophysical Model and Experimental Observation of Strong Inhibition Activity of Water Activated with the help of MRET Process" Program and Abstract Book, International Congress on Medical Physics and Biomedical Engineering, Seoul, Korea, 2006

Vysotskii, V.I., Smirnov, I.V. and Kornilova, A.A. (2005) "Introduction to the Biophysics of Activated Water" Universal Publishers, 2005