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Innovative preparations ‘ICELL’, ‘CELL BALANCE’ and ‘HB SOLUTION’ based on structured water as an example of breakthrough biotechnology of the XXI century.

Dr Martin Klugmayer, PhD (Bioengineering and Water Technology)

About the author: Dr Martin Klugmayer, author of the development of ICELL, CELL BALANCE and HB SOLUTION, is a recognised expert in the field of bioengineering and technologies based on structured (hexagonal) water.

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Modern developments in the field of biotechnology and medico-technological innovations open new horizons for diagnostics, prevention and treatment of diseases. One such area is the innovative products developed by Dr Martin Klugmaer, a specialist in bioengineering and water technology. This article focuses on three key products: ICELL, CELL BALANCE and HB SOLUTION. Each of these products has unique properties and promises significant health and environmental improvements.

The developments under consideration are based on a concept imaginatively described by Rustum Roy, Ph.D., Professor Emeritus, Pennsylvania State University; Professor of Materials Science, Arizona State University, Arizona, USA, member of the Academy of Sciences of Sweden, India, Japan, Russia, USA. He wrote:

‘...Molecular structure is the alphabet of water. If I give you an alphabet and you don’t know any words, letters or sentences, you can’t use them. Chemists, use an

extremely elementary way when they talk about water. Essentially, they're talking about the letters of the alphabet. But knowing the letters is not enough to talk about Pushkin or Shakespeare.

The chemical composition of water has been the dominant viewpoint among chemists. Now, the sensational news is that this is all nonsense. The structure of water is far more important than its chemical composition…'.

However, it should be noted that the 'pioneer' in understanding and studying water as a complex phenomenon is Japanese scientist Professor Akihiro Yamashito of Nagoya University. In 1964, he discovered 'pi water' (as he called structured water). Professor Yamashito realised that structured water has a similar composition to human body fluids, so that oxygen and minerals are better absorbed by the body, which in turn activates a positive immune response and reduces free radicals. Thanks to the Japanese scientist, physicians have drawn attention to the life-giving properties of water, and chemists to the possibility of 'healing' water.

To further understand the water molecule, it is necessary to consider its structure and properties, as well as the importance of this compound for life on Earth. The water molecule (H_2O) consists of one oxygen atom and two hydrogen atoms. The oxygen atom has six electrons on its outer shell, and to reach a stable configuration it lacks two more electrons to fill the outer shell to eight. This process is called octet, and it is key to chemical stability.

Hydrogen, with only one electron, tends to give it up or share it with another atom to reach a more stable state. This is why hydrogen and oxygen form a chemical bond, and this interaction results in the formation of the water molecule. The name 'hydrogen' comes from the Greek words 'hydro' (water) and 'genes' (generating), emphasising its role in the formation of water.

It is known that the dimensions of a water molecule under ideal conditions are about 1.38 angstroms in radius. However, the arrangement of atoms in the water molecule is not symmetrical. The two hydrogen atoms are placed to one side of the oxygen atom, which creates a certain asymmetry. This leads to the formation of a positive charge in the region where the hydrogen atoms are located, since their nuclei (protons) have a positive charge. At the same time, oxygen, to compensate for this positive charge, concentrates four electrons on the opposite side of its atom, which creates a negative charge. Thus, the water molecule becomes a dipole, that is, a molecule with two opposite poles: positive and negative.

The dipole structure of the water molecule explains many of its unique properties, such as its high heat capacity, surface tension, and ability to dissolve many

substances. These properties make water vital to all known life forms. For example, because of its high heat capacity, water can absorb and retain a significant amount of heat, which helps maintain a stable climate on the planet.

The geometrical parameters of the water molecule are also noteworthy. If we visualise the molecule as an isosceles triangle with hydrogen atoms at the base and an oxygen atom at the top, we can see that the angle between the hydrogen atoms is approximately 104.5 degrees. This angular structure favours the formation of hydrogen bonds between water molecules, which in turn leads to the formation of liquid water and its properties, which are different from those of most other liquids.

In addition, water plays a key role in biochemical processes. It is a universal solvent, which allows it to participate in the chemical reactions that take place in the cells of living organisms. Water is also essential for transporting nutrients and removing waste products from cells.

The water molecule is not only amazing in its structure, but also plays an indispensable role in sustaining life on Earth. Its unique physical and chemical properties make water one of the most important molecules on the planet, providing conditions for the existence and development of all forms of life.

Promising areas of water research can be applied in medicine. For example, utilising the ordered structures of water can help to improve the absorption of drugs and vitamins, as well as the effectiveness of therapeutic procedures. This could open new horizons in the therapy of various diseases, leading to fewer side effects and greater accessibility to medical services.

Research into the effects of sound waves and other external factors on water emphasises potential applications in the spiritual and psychological realms. Fluctuations created by music or conversations can influence water conditions, which in turn can affect a person’s emotional background and overall well-being. This approach opens up new possibilities for creating healing practices and therapies.

Thus, the study of water clusters opens up new horizons for the development of both healing remedies and innovative purification and filtration methods that can maximise the preservation of water’s natural properties. New technologies based on the understanding of molecular structure will help to optimise water management processes, especially in the face of deteriorating ecology and global climate change.

The innovative preparation ‘ICELL’ is a liquid based on hexagonal (structured) water with the addition of molecular sodium, hydrogen, oxygen and zinc ions.

The preparation ‘ICELL’ allows a complex effect on the body. Its use contributes to:

– Increase in performance.

– Reduction of manifestations of emotional and physical stress.

– Balancing the immune system.

This drug can be used in various acute and chronic diseases, when the ion channels of the body are not functioning properly or blocked by traditional drugs.

The benefits of ‘ICELL’ lie not only in optimising metabolism, but also in improving skin health and energy levels. This makes it a particularly attractive choice for people who want to maintain an active lifestyle and care about their health. ‘CELL BALANCE’, in addition to anti-aging effect, is widely used in sports medicine, helping athletes to recover after intensive training.

The preparation ‘ICELL’ with the use of hexagonal water has become a response to the growing need for products capable of normalising metabolism and improving cell functionality. This is especially true in conditions of stress and chronic diseases, when ion channels are often disrupted. The use of ‘ICELL’ allows not only to improve the general condition of the body, but also to activate the self-regulation of the immune system.

The preparation ‘CELL BALANCE’ includes structured water, molecular sodium, molecular hydrogen, molecular oxygen and zinc, which together provide a synergistic effect.

Each of the components of ‘CELL BALANCE’ has special properties that, when combined, allow you to:

– Increase performance.

– Reduce the level of emotional and physical stress.

– Balance the immune system.

‘CELL BALANCE’ is a powerful antioxidant, enhancing the effectiveness of other drugs. Its use helps in the therapy of a wide range of diseases and can be an important component of anti-aging programmes and rehabilitation after severe, including COVID-19, diseases.

‘CELL BALANCE’ due to its composition based on antioxidants and structured water becomes an indispensable tool in complex therapy aimed at combating the effects of stress and aging. Its use in preventive measures allows to maintain health at an optimal level, which is especially important in the conditions of modern rhythm of life.

CELL BALANCE’ acquires special significance within the framework of preventive medicine. Regular use of this preparation helps to strengthen the immune system and maintain general tonus, which is especially important during epidemics. Athletes note that it helps not only in recovery, but also in increasing endurance and strength performance, which makes it indispensable in sports practice.

‘CELL BALANCE’, enriched with powerful antioxidants, enhances general health and subjective well-being, making it indispensable in anti-aging therapy and rehabilitation. Its synergistic properties allow finding effective approaches to treat a wide range of diseases, making it an important component of complex therapy.

‘CELL BALANCE’, thanks to its antioxidant action, finds its application not only in the treatment of chronic diseases, but also in the prevention of cell aging. This makes it particularly attractive for the cosmetics industry and programmes to improve the quality of life of the elderly. In combination with existing therapies, it can significantly increase the effectiveness of therapy.

A breakthrough discovery, HB SOLUTION is a safe and effective disinfectant for both home and workplace disinfection.

This product optimises water and energy use, reduces wastewater emissions and significantly conserves natural resources. ‘HB SOLUTION is free of hazardous ingredients, additives and allergens, making it biologically and toxicologically safe.

‘HB SOLUTION is highly effective in disinfecting and reducing the risk of infectious diseases, and opens up new horizons for use in healthcare facilities and public spaces. The product provides not only safety, but also an environmentally friendly approach, minimising the negative impact on the environment. These innovations are the key to a healthy future for society as a whole.

Against the backdrop of the growing importance of environmentally friendly technologies, HB SOLUTION represents a meaningful step towards sustainability. Its disinfectant properties are harmless to users, which opens up the possibility of application not only in medical centres but also in the food industry. In this way, it will undoubtedly have a significant impact on the well-being of society and the environment as a whole.

In turn, HB SOLUTION finds application not only in medical centres, but also in the home, offering safe disinfection solutions. This establishes a link between modern technology and public health care, contributing to the creation of a comfortable and safe environment.

‘HB SOLUTION represents a breakthrough in disinfection, it acts without harming the environment. Its use helps to reduce the risk of infectious diseases, which is relevant in today’s realities. Thus, the development of these preparations demonstrates not only progress in medical technology, but also a conscious approach to the environment and the health of mankind.

The preparations developed under the leadership of Dr Martinom Klugmaer have unique properties that set them apart from traditional medical and disinfectant products. Their effectiveness, safety of use and ability to have a complex effect on the human body make them important tools in modern treatment and prevention of diseases. Innovative products ‘ICELL’, ‘CELL BALANCE’ and ‘HB SOLUTION’ have significant practical value for various fields of medicine and biotechnology. Their use can significantly increase the quality of life, improve health and contribute to sustainable development in the field of environmental protection.

The presented innovative preparations based on structured (hexagonal) water represent the integration of advanced scientific developments and practical applications in the field of health and ecology. The noteworthy properties of ICELL, CELL BALANCE and HB SOLUTION open new horizons for scientists and practitioners interested in improving health and the environment.

Each of these preparations opens up new possibilities for treatment and wellness that can fundamentally change approaches in medical and hygiene practice. The ICELL preparation not only strengthens the immune system, but also helps to activate cellular metabolism, which is important for the prevention and treatment of various diseases. Its use in sports medicine demonstrates improvement of endurance and recovery after exertion.

The innovative product ‘CELL BALANCE’, in turn, thanks to its composition based on antioxidants and structured water becomes an indispensable tool in complex therapy aimed at combating the effects of stress and aging. Its use in preventive measures allows you to maintain health at an optimal level, which is especially important in today’s rhythm of life.

In addition, HB SOLUTION is an environmentally safe and effective tool for disinfection, which is especially relevant in a pandemic. By restoring the balance between human health and environmental protection, it demonstrates the practical relevance and versatility of the developments created by Dr Klugmeier.

The innovative products ICELL, CELL BALANCE and HB SOLUTION represent breakthrough solutions in biotechnology and medical technology developed by Dr Martin Klugmeier. Each of them brings unique benefits and is designed to have an integrated effect on the human body as well as to support environmental sustainability.

The development of ICELL, CELL BALANCE and HB SOLUTION has brought new horizons in the approach to the treatment and prevention of diseases. The most important aspect of their use is the maintenance of harmony at the cellular level, which directly affects the overall condition of the body. Thanks to unique ingredients and innovative technologies created under the direction of Dr Klugmeier, these preparations are able to stimulate natural regeneration processes, which contributes to faster recovery after illness or injury.

The use of ICELL, CELL BALANCE and HB SOLUTION also opens up new horizons in the prevention and rehabilitation of diseases, affecting a wide range of age and sports groups. All three products are customised to the individual needs of the patient, enhancing their effectiveness. The treatment approach, centred on the cellular level, not only eliminates symptoms but also addresses the root causes of diseases.

Thus, ICELL, CELL BALANCE and HB SOLUTION are not only innovative developments, but also a step towards a renewed philosophy of health. They reflect the desire to create a quality life, ensuring harmony at the cellular level and caring for the well-being of each individual.

In today's world, where stress and illness are becoming part of everyday life, ICELL, CELL BALANCE and HB SOLUTION bring new standards to the quality of life. Their use not only helps in the fight against existing diseases, but is also an important part of preventive measures, allowing people to take care of their health before symptoms appear. This proactive approach promotes an informed attitude towards one's own body, which is important in our fast-paced times.

In addition, the individual selection of medications to meet the key needs of the patient creates a profound personalisation of the medical approach. This aspect is especially important for people with chronic diseases that require constant monitoring and adjustment of therapy. The use of cellular solutions allows not just to eliminate toxins or improve metabolism, but also to establish a balance at the cellular level, which opens up new horizons in the field of medicine.

Finally, the combination of innovative technologies with the principles of natural healing represents a synergy that is becoming a driving force for the sustainable development of medical practice. Drugs not only enhance physical health, but

also promote emotional well-being, creating a harmonious atmosphere for a fulfilling life.

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