



BION, INŠTITUT ZA BIOELEKTROMAGNETIKO IN NOVO BIOLOGIJO, d.o.o.
BION, INSTITUTE FOR BIOELECTROMAGNETICS AND NEW BIOLOGY, Ltd.

Stegne 21, SI-1000 Ljubljana, Slovenia
t: +386 (0)1 513 11 46 m: +386 (0)51 377 388
e: info@bion.si i: <http://bion.si/>

Place and date: Ljubljana, May 16, 2022
No.: 34/22

SUMMARY REPORT ON TESTING ENERGY INFLUENCE ON HUMAN ORGANISM

FOR THE PRODUCT

BioAq water structurer

Customer

BioAq
Kaserngatan 10 A
Al. Generala Hallera 96/12
65100 VAASA
Finland, EU
Phone: + 44 7763 199 419
i: <https://www.bioaq.com>

Research institution

BION, Inštitut za bioelektromagnetiko in novo biologijo, d.o.o.
BION, Institute for Bioelectromagnetics and New Biology, Ltd.
Research organization code No.: 0431
Stegne 21
SI-1000 Ljubljana
Slovenia, EU

m: +386 (0)51 377 388
t: +386 (0)1 513 11 46
e: info@bion.si
i: <http://bion.si/en/testing>

Authorized signature

Sevica

GENERAL INFORMATION ABOUT TESTING

Date of test measurements: Maj 3 – 16, 2021.

Place: BION Institute, Stegne 21, Ljubljana, Slovenia, EU.

Type of testing: Testing energy influence on the human organism.

Method: Measurement of various physiological parameters based on heart rate, muscle tension, electrical skin conductance, respiration rate and finger temperature. A Biosignalsplux device was used to measure the aforementioned parameters.

Number of volunteer test subjects: 15 test subjects per testing situation.

Testing situations: 2.

Purpose of testing: To validate the assumed objective subtle field influence of the product BioAq water structurer (Figure 1) on the human organism.



Figure 1: BioAq water structurer used in testing.

PROTOCOL AND ANALYSIS

We validated an alleged energy influence of the water processed by the product BioAq water structurer by scientific testing based on principles of clinical research. This means that the testing was:

- *prospective* (general criteria for the efficiency of the product's influence was determined in advance);
- with *placebo effect ruled out* (test subjects didn't know whether they were exposed to the processed water or not);
- *double-blind* (even the test assistant didn't know whether it was about the exposed situation or the control one);
- *randomized* (the order of the situations was determined randomly).

We performed the testing via two different test situations:

- **BioAq situation** (*exposed situation*): test subjects consume BioAq water structurer processed tap water before the measurements.
- **Control situation** (*sham exposure*): test subjects consume the same uprocessed tap water.

We measured the physiological response of test subjects to the drinking water twice on two different days at the same time of day (hour) in a randomly assigned order; once in the BioAq situation and the other time in the control one.

In both situations and all measurements, the volunteer drank the same amount of water (1.5 dl) from apparently identical glasses, at the same water temperature, taste, look, and odor, so they couldn't tell one from the other. To ensure the condition of double-blind testing, a third person who was not involved in the testing prepared the water specimens by processing water via the product and encrypting them.

After installing the measuring electrodes to monitor physiological parameters, the measurement assistant offered the test subject 1.5 dl of water. He gave instructions to drink water slowly, carefully, and in sips for 1 to 1.5 minutes (see Figure 2).

Fifteen minutes later, the data recording with an eight-channel Biosignalsplux device of physiological parameters started and lasted 30 minutes. During measurements, test subjects sat on a comfortable wooden chair and were left alone in the testing room.



Figure 2: Test subject drinking water 15 minutes before the start of measurements.

After the measurements, we imported the raw data into Matlab and subjected them to further analysis with appropriate programs suited to specific parameters. To estimate the energy influence, we compared the results of the exposed situation to the ones belonging to the control situation. To check for the difference between both test situations, we used the Wilcoxon signed-rank test. The results of all statistical tests were corrected with the Holm-Bonferroni correction for multiple comparisons.

RESULTS

Statistical analysis of the results together with Cohen's Standardized effect size show highly statistically significant differences. They demonstrate that the primary effect of the exposure to the energy influence of the processed water via BioAq water structurer is energizing. The most conspicuous result showing this effect is presented by electrical skin conductance ($p < 0.0027$ with Cohen's D amounting to 2.35 in the second part of measurements). There are also signs of a relaxing effect on a deep level of the autonomous system, but they were not statistically significant.

In this summary report, only an overview of statistical results is presented here.

CONCLUSION

The tested energy influence of the processed water via BioAq water structurer demonstrated an energizing effect on human organism via multiple statistically significant differences.

Based on statistically significant differences between the BioAq exposure situation and the Control situation, demonstrated in the testing of the energy influence of the water processed by the product *BioAq water structurer*, we acknowledge that its effect meets all the criteria required to obtain the *Certificate of Energy Influence on Human Organism* No. 0282, which is announced on the webpage <http://bion.si/en/testing-certificates>.

Authorized signature

