ENERGY LEVEL TEST - 1

PSΨ-TEK LABS

Non-Invasive Scanning and Subtle Energy Testing Lab

GDV Measurements on Ionized Tap Water Produced by Arirangion Multi-Ionizer Using Tap Water

Date: 3/27/2013

Researcher: Gaétan Chevalier, Ph.D., Research Director

Goal: 'Arirangion Multi-ionizer' is a chemical-free cleaning and sanitizing device It transforms tap water into energized and ionized tap water. It has 3 basic properties such as sanitizing, cleaning and antioxidant restoration power. It can be easily inserted between a faucet pipe and its aerator as an adaptor. It lasts semi-permanently. So people can wash and clean anything with the energized and ionized tap water only without chemical cleaners. The main goals of this test are to see the difference in the shapes of distilled water, plain tap water and the energized tap water and to see how long the energy level in the energized tap water produced by Arirangion Multi-ionizer lasts until it goes back to the energy level in the plain tap water. For this pilot project the Gas Discharge Visualization (GDV) developed in Russia was used.

Testing Device: EPI/GDV

The Electro-Photon Imaging (EPI) device, also known as Gas Discharge Visualization (GDV), is an advanced form of Kirlian photography developed by Dr. Konstantin Korotkov (Figure 1). This technology produces an electric impulse, which generates a response of the object in the form of electron and photon emission. The glow of the photon radiation owing to the gas discharge generated from the electromagnetic field is captured by a digital camera and processed by sophisticated software that can perform sophisticated statistical analyses of the data looking and many different parameters such as brightness and size of the glow. Figure 2 shows an example of a gas discharge glow produce around a metal cylinder used to calibrate the EPI/GDV system.

Note: Any test results under the name 'Arirangion' refer to ELIM Sterilizer products.

© Psy-Tek, LLC | 741 Garden View Court | Suite 209 | Encinitas, CA 92024 | 760.733.6000

ENERGY LEVEL TEST - 2

PSΨ-TEK LABS

Non-Invasive Scanning and Subtle Energy Testing Lab



Figure 1: Photograph of GDV Camera pro version 3 designed for measuring drops of liquid. There is a special syringe holder that is placed on top of the black ring which can hold a drop from a syringe just above the glass plate where the measurement is performed.

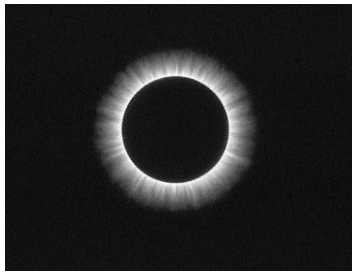


Figure 2: Example of EPI/GDV image captured from a metallic cylinder.

Parameters analyzed are: Area and Average Intensity. Area gives an indication of the energy of the electrons emitted while Average Intensity is proportional to the number of these electrons that are emitted from the sample. A large Area indicates that electrons are easily leaving the sample (lightly bounded to the sample) and so have more energy while a larger Average Intensity indicates a larger number of electrons emitted and thus more electrons are available in the sample to react with positive charges of compounds or molecules in the body and thus more electrons can be transferred to the body resulting in a better absorption of the sample by the body.

In order to understand the results presented here for EPI/GDV, a word of explanation is needed about the physio-chemical processes that take place in the system comprising the liquid, the gas discharge plasma and the electromagnetic fields generated by the GDV. Assuming that the molecules in the 2 samples are homogeneously distributed, we

Note: Any test results under the name 'Arirangion' refer to ELIM Sterilizer products.

© Psy-Tek, LLC | 741 Garden View Court | Suite 209 | Encinitas, CA 92024 | 760.733.6000

ENERGY LEVEL TEST - 3

PSY-TEK LABS

Non-Invasive Scanning and Subtle Energy Testing Lab

can assume that the drop is rotationally symmetric. Therefore all deviations from rotational symmetry observed in the gas discharge image are due to random processes of the gas discharge itself. Some explanations on how these random processes can generate asymmetries in the glow of the discharge follow.

After the beginning of the ionization process, a channel of plasma starts to appear in the vapors of the liquid. The generation of chemically active particles then takes place in this channel under the influence of electrons that are amplified by the field produced by the device and characteristic of the voltage impulse series. Penetration of the discharge current through the liquid initiates potential jumps at the interface of the plasma and liquid. Consequently, neutral and charged particles are transferred from the liquid to the plasma through the interface. This explains the emission of charged particles. Changes that took place in the liquid led to changes in the contents and configuration of the plasma. As a result, the corresponding gas discharge characteristics, such as Area and Average Intensity, were also changed. It is well documented that electromagnetic field strength, as well as evaporation, pressure, and temperature, influence the parameters of a gas discharge.

As a result of the bombardment of the liquid by energetic ions, which are emitted from the plasma, ions and solvated electrons are produced. This allow for the generation and accumulation of hydrogen peroxide (H_2O_2) in the solution. In addition NO_2 gas molecules are formed.

Note: Any test results under the name 'Arirangion' refer to ELIM Sterilizer products.

© Psy-Tek, LLC | 741 Garden View Court | Suite 209 | Encinitas, CA 92024 | 760.733.6000

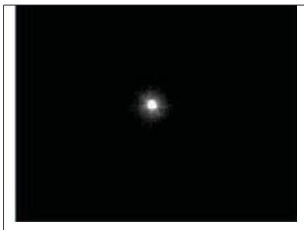
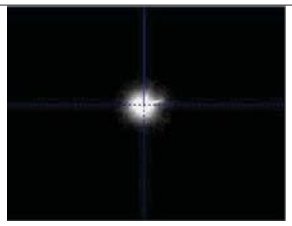
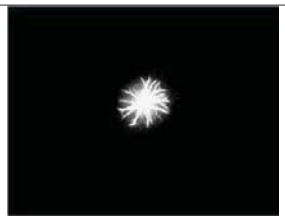
ENERGY LEVEL TEST - 4

PSY-TEK LABS

Non-Invasive Scanning and Subtle Energy Testing Lab

Results

Below is an image comparison between distilled water, tap water, and ionized tap water from Irvine. It is clear that Area is smallest for distilled water and largest for ionized tap water. Not so obvious in the pictures is that the intensity of the glow is also highest for ionized tap water.

		
Distilled water.	Tap water from Irvine	Ionized tap water from Irvine using Arirangion Multi-ionizer

Note: Any test results under the name 'Arirangion' refer to ELIM Sterilizer products.

© Psy-Tek, LLC | 741 Garden View Court | Suite 209 | Encinitas, CA 92024 | 760.733.6000

ENERGY LEVEL TEST - 5

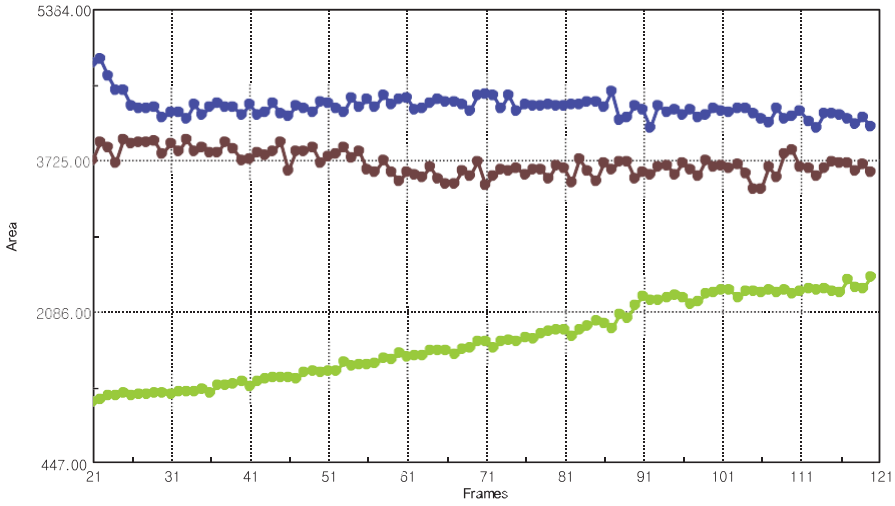
PSY-TEK LABS

Non-Invasive Scanning and Subtle Energy Testing Lab

Next a comparison between distilled water, tap water and ionized tap water from Irvine is presented for Area and Average Intensity.

Area

The graph below shows Area vs. frames (or pictures) which represents time (5 frames per second = 0.2 second between each frame). It is clear that ionized tap water has the highest Area and distilled water has the lowest (these differences were statistically significant).



The plots legend:

Sample 1: Distilled water: *Mean + confidence interval*

Sample 2: Tap water from Irvine: *Mean + confidence interval*

Sample 3: Ionized tap water from Irvine: *Mean + confidence interval*

Note: Any test results under the name 'Arirangion' refer to ELIM Sterilizer products.

© Psy-Tek, LLC | 741 Garden View Court | Suite 209 | Encinitas, CA 92024 | 760.733.6000

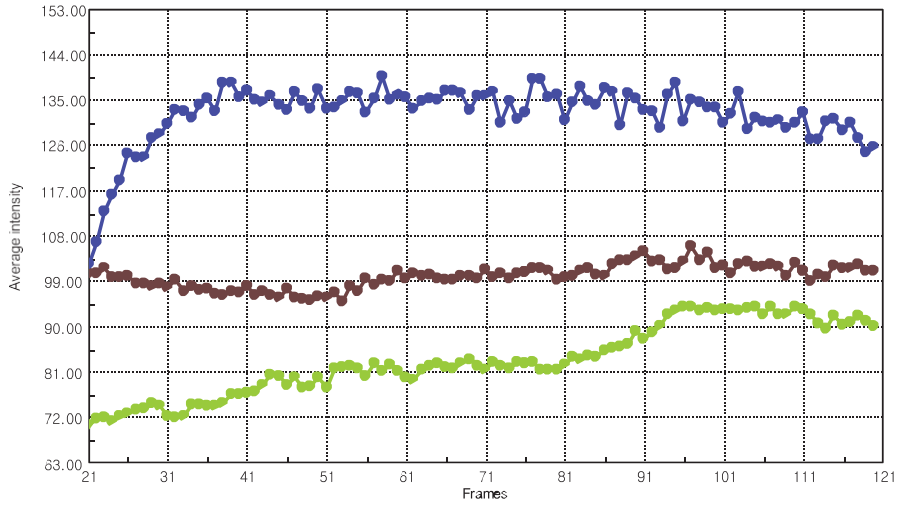
ENERGY LEVEL TEST - 6

PSY-TEK LABS

Non-Invasive Scanning and Subtle Energy Testing Lab

Average intensity

The graph below shows Average Intensity vs. frames (or pictures) which represents time (5 frames per second = 0.2 second between each frame).). It is clear that ionized tap water has the highest Average Intensity and distilled water has the lowest (these differences were statistically significant).



The plots legend:

Sample 1: Distilled water: *Mean + confidence interval*

Sample 2: Tap water from Irvine: *Mean + confidence interval*

Sample 3: Ionized tap water from Irvine: *Mean + confidence interval*

Note: Any test results under the name 'Arirangion' refer to ELIM Sterilizer products.

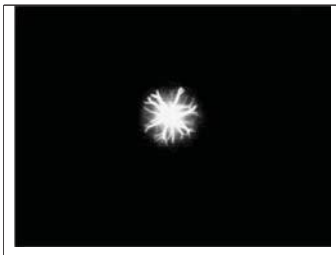
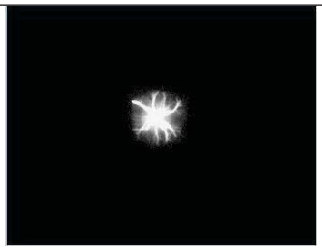
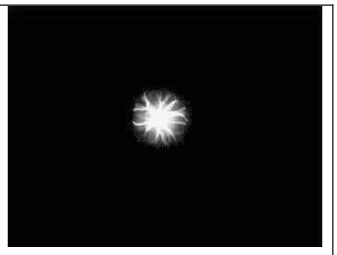
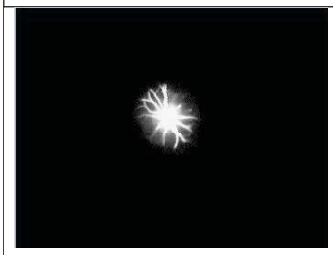
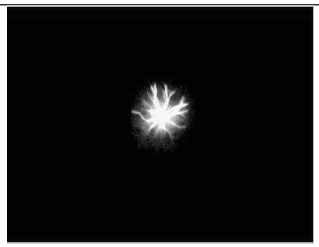
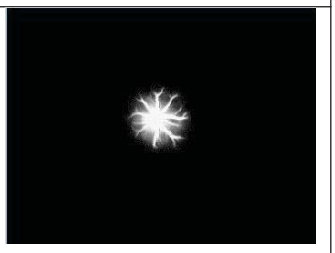
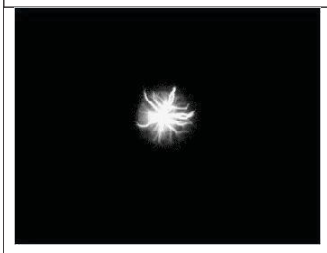
© Psy-Tek, LLC | 741 Garden View Court | Suite 209 | Encinitas, CA 92024 | 760.733.6000

ENERGY LEVEL TEST - 7

PSΨ-TEK LABS

Non-Invasive Scanning and Subtle Energy Testing Lab

The images below are from drops of ionized tap water from Irvine measured at different times (first picture at 10:00AM). It is not obvious from these pictures that there is a change with time because it is small but real as we will see next looking at Average Intensity.

		
One and half hour after creation (10:00AM).	At 1:00PM (4.5 hours later).	At 2:30PM (6 hours later).
		
At 3:00PM (6.5 hours later).	At 3:30PM (7 hours later).	At 4:00PM (7.5 hours later).
		
At 4:30PM (8 hours later).		

Note: Any test results under the name 'Arirangion' refer to ELIM Sterilizer products.

© Psy-Tek, LLC | 741 Garden View Court | Suite 209 | Encinitas, CA 92024 | 760.733.6000

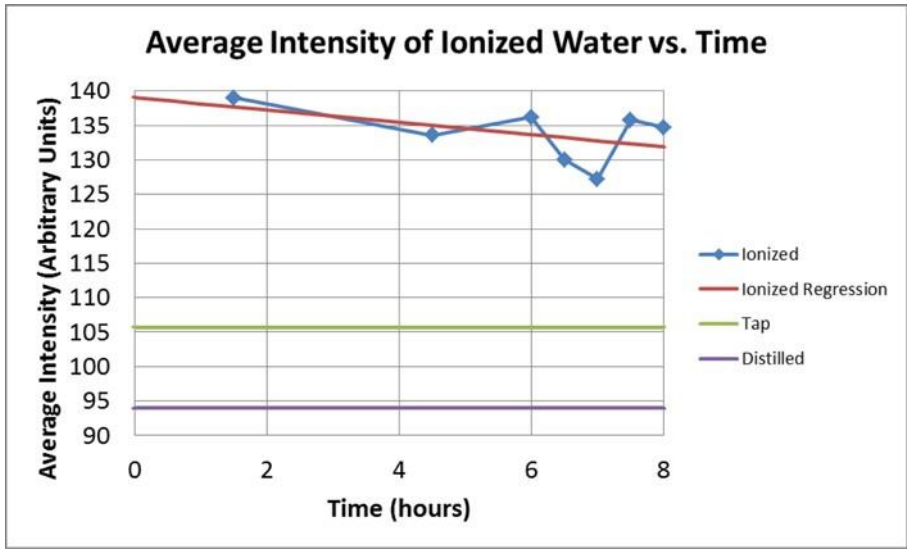
ENERGY LEVEL TEST - 8

PSΨ-TEK LABS

Non-Invasive Scanning and Subtle Energy Testing Lab

Intensity vs. Time:

To find out more clearly change over time in Average Intensity, a graph of Average Intensity vs. time for ionized tap water, tap water and distilled water is presented below. The green line represents the Average Intensity of tap water which does not change over time and the purple line represents the Average Intensity of distilled water which also does not change over time. Each point in blue represents the average of 50 images taken from drops of ionized tap water. The lines that connect the blue points are just there to help visualization of the trends.



The regression line (red line) was calculated using the blue points of ionized tap water. The regression method used the least-square approach that minimizes the sum of squared residuals. The regression equation obtained this way is: y=139.0-0.898x where y = Intensity and x = time. According to this regression model it would take about 37 hours for the Average Intensity of ionized tap water to reach the same Average Intensity as tap water.

Note: Any test results under the name 'Arirangion' refer to ELIM Sterilizer products.

© Psy-Tek, LLC | 741 Garden View Court | Suite 209 | Encinitas, CA 92024 | 760.733.6000

ENERGY LEVEL TEST -

PSΨ-TEK LABS

Non-Invasive Scanning and Subtle Energy Testing Lab

Conclusion

It was shown that Area and Average Intensity (both measures of energy) are the highest for tap water energized and ionized using Arirangion Multi-ionizer. Changes in Average Intensity were recorded over time to see how long the energy stays in the water drop. Fitting Average Intensity vs. time with a least-square linear regression model leads to the conclusion that the Average Intensity of ionized tap water will go down to the level of tap water in about 37 hours.

Note: Any test results under the name 'Arirangion' refer to ELIM Sterilizer products.

© Psy-Tek, LLC | 741 Garden View Court | Suite 209 | Encinitas, CA 92024 | 760.733.6000