



*Esperer.*H₂O

FEW, Reverse Osmosis, & Coconut Carbon Block
Residential – Commercial - Industrial

Functional Electrolyzed Water



The *Esperer.*H₂O LifeSTYLE

Esperer.H₂O is not a unit or a water, it's a lifestyle, a state of mind, an understanding of our bodies and what makes them flow. Not very many people will take the time to learn things that will benefit them. They just buy good stories, good marketing, hot topics, and big deal celebrity endorsements.

Esperer.H₂O is the extreme when it comes to water. Taking water to its fullest potential, understanding raw water is just that, raw water (*including bottled water!*). It is the basic ingredients of what we require, but in its raw state it is very limited and sometimes dangerous.

This document is not about making money, its not about marketing, its not about sales, its not the about the take a pill mentality. It is about an understanding of what The Esperer.H₂O LifeSTYLE is, why does it make a real difference, not a fairy tale of unrealistic promises with disclaimers.

I did not find Esperer.H₂O, it found me. Maybe it also found you, if so then you know what I am talking about, an alternate idea to people who did not know this idea existed, the truth about water.

Fulfillment in helping others never has a top to reach, you never run out of people to help. The high you get from changing someone's life is priceless. The magic of changing a life with something as simple as water is amazing.

I got into Esperer.H₂O to help myself, I found I like to share it and help others. I made a business of the entire subject of advanced electrochemistry, I look forward to making lots of money in industrial equipment, but I will always look at Esperer.H₂O the same as Dr. Hanaoka, Dr. Wullaert, and Ed Alexander do:

Educate people who want to be educated.

Present Esperer.H₂O model ES 2000 on demand 2 LPM as a gift to humanity.

Keep it affordable to anyone/everyone who wants it and/or needs it.

Paul E. Seaver

PBSWC Inc.



Esperer. H₂O custom systems by PBSWC Inc.

FEW with CSM Reverse Osmosis, & Coconut Carbon Block

Functional Electrolyzed Water, sounds like a great marketing term.

Functional Electrolyzed Water (FEW) is a scientific/chemistry category for this restructured synthetic medium.

The word water as we all use it in general, starts to get specifically defined when it is provided and or used. No one would argue that we would not drink toilet water, and no one would argue we would not flush the commode with bottled water. So, with this simple example we understand we put standards on water depending on what we intend to do with it.

Water is used for everything we do in life. The reason is simple, everything comes from water, so water is incorporated into everything.

We as humans are between 65% (*Females*), and 70% (*Males*), water when at average weight and good health. If this percentage changes substantially up or down, our health suffers. We all know water is important to life, this is one of our 1st understandings as living organisms, it is an instinct to drink water just as to eat food and breath air, we do not have to be taught.

For a lot of people, its more comfortable to drink a formulated beverage, although this does little for hydration of our cells and or balance our pH correctly.

Give your body the proper hydration, nutrients, food sources and exercise. Big surprise you feel good. Know how to tune and know how to make your own adjustments to stay healthy, these people also know WATER COMES FIRST.

There is no marketing here just plain facts. Science, mathematics, engineering, and known benefits of all the subjects we will discuss.

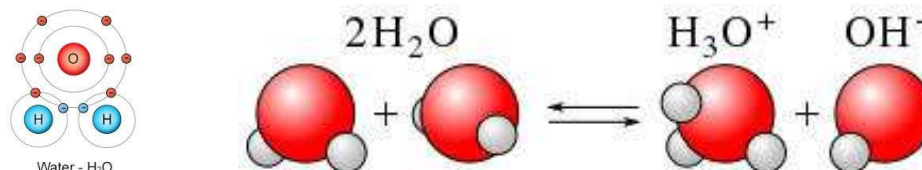
What is water? Simply put, water is energy, minerals, and gases carried by H₂O.

What is FEW? When you can take control of the contents of water and direct it to do exactly what you intended.

What is a complete system by PBSWC, the real science, delivering expected results, reliable, dependable and affordable.



What is “water” and why do we Electrolyze it?



A molecule of H₂O will always self balance or “self ionize” by creating another molecule of H₂O by transferring a proton to create an equal pair, 1 acidic molecule and 1 basic molecule, H₂O neutral

Water as H₂O is naturally electrolyzed, water is self ionizing. The rule of the universe states where 1 molecule of H₂O exists, there must be another for balance, everything must be balanced by an equal opposite, one basic and one acidic. The acidic (+) molecules donate protons to the newly formed H₂O molecules.

These new H₂O molecules are the acceptors of the protons and become basic (-). This must be a part of the natural process, or we could never dissolve salt minerals (TDS) cations (+) and anions (-) in water. This dissolved content in water categorizes water as a weak acid or raw mineral water as we generally call it. We measure this water by pH and TDS content/power.

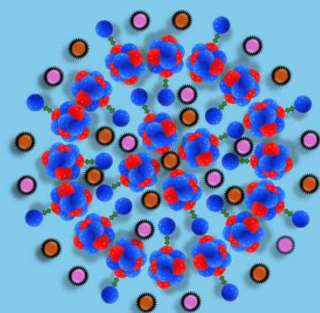
When you apply electrical charge to the cations and anions in water you are ionizing the content or increasing its stored charge/power, in electrochemistry this is called increasing the potential. To completely control water, its content, and its potential you must have the capability of applying energy to both the cations and the anions in their desired polarity directions and range.

To control cations (-), you must have a positive influence; to control anions (+) you must have a negative influence. In electrochemistry we flip everything on you. Your anions are attracted to the cathode and turned into basics (*alkaline*) and Dissolved Green Hydrogen Gas while your cations are attracted to the anode and turned into acidics and reactive oxygen species (ROS).

Now you have increased the potential of everything in the water by applying 10,000 times the power of self ionization. This is called increasing the Ionic Product in water. Raw water has less than 1 IP, single polarity ionizers increase the IP to 1.37, Esperer.H₂O increases the IP to 6.45. As a reference to power, 200-degree boiling water has 6.45 IP although using heat as the energy source.



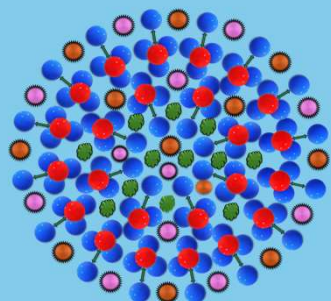
Esperer.H₂O
Functional Electrolyzed Water



Raw Source Water

Typical water at ambient temperature
15 molecule Unbalanced clusters controlled by self ionization
1 molecule dissociation self ionizing
Chemicals, Bacteria, Pathogens suspended in the water clusters

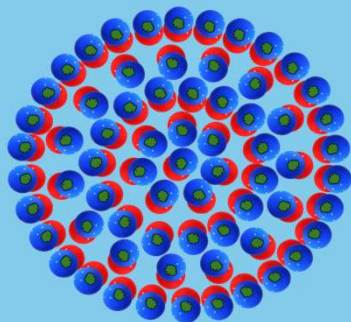
Raw vs 1.37 Nano Cluster



Low Amp Single Polarity Reduced 1.37 IP Alkaline Nano Cluster

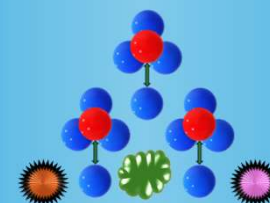
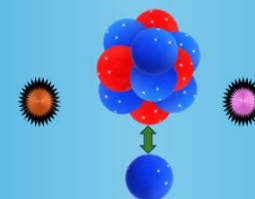
Typical water at ambient temperature
5 molecule unbalanced reduced Nano cluster 1.37 Ionic Product
Increase to 3 molecules ionizing with increased Ionic Product
Unbalanced Hydrogen Gases infused in water suspended in clusters
Chemicals. Bacteria, Pathogens suspended in the water clusters

Nano Cluster vs 6.45 Cluster FREE



High Amp Dual Polarity Reduced 6.45 IP Neutral Negative Dominant

Cluster Free - Single Molecule - Single Bonded Dual Ion 6.45 Ionic Product
100% compatible with all aquaporin transport (*100% absorbable*)
Dissolved balanced dual ion
Dissolved Balanced Single Bubble Gas
Neutral Polarity - Neither an acid or a basic (*alkaline*)
Esperer.H₂O RO Purified including Double Coconut Carbon Block is free of chemicals, bacteria, pathogens and contamination of all types.



WINNER!

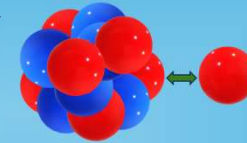


Esperer.H₂O

Dual Polarity Neutral Negative Dominant



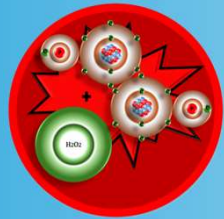
Bonded dual polarity ion, negative dominant, dissolved in single molecule of H₂O, with stored single bubble green hydrogen gas



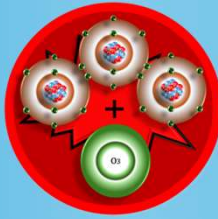
Raw Water - 15 unbalanced mixed ion molecule cluster at ambient temperature

Raw Source 7.1 pH
Less than 1 IP -8/+7

Open Loop Neutral Chamber



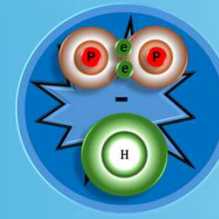
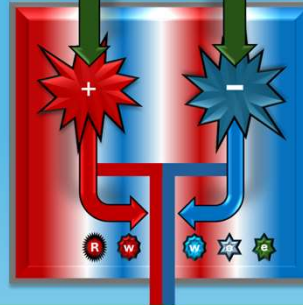
H₂O₂



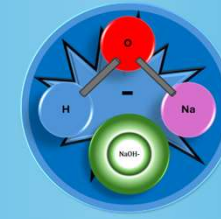
O₃



Cl₂



Hydrogen



Sodium Hydroxide



Finished Neutral Ion
6.45 IP single bonded -1/1 pKw
Negative Dominant 7.62 pH
Dissolved Hydrogen balanced by
O₃ ~ H₂O₂ ~ Cl₂

Anions are naturally negatively charged; therefore, they are attracted to the strong positive charge at the anode, these may include but are not limited to:

chloride – sulfate – bicarbonate - carbonate - nitrate & phosphate

They now become Reactive Oxygen Species

Cations are naturally positively charged; therefore, they are attracted to the strong negative charge at the cathode, these may include but are not limited to:

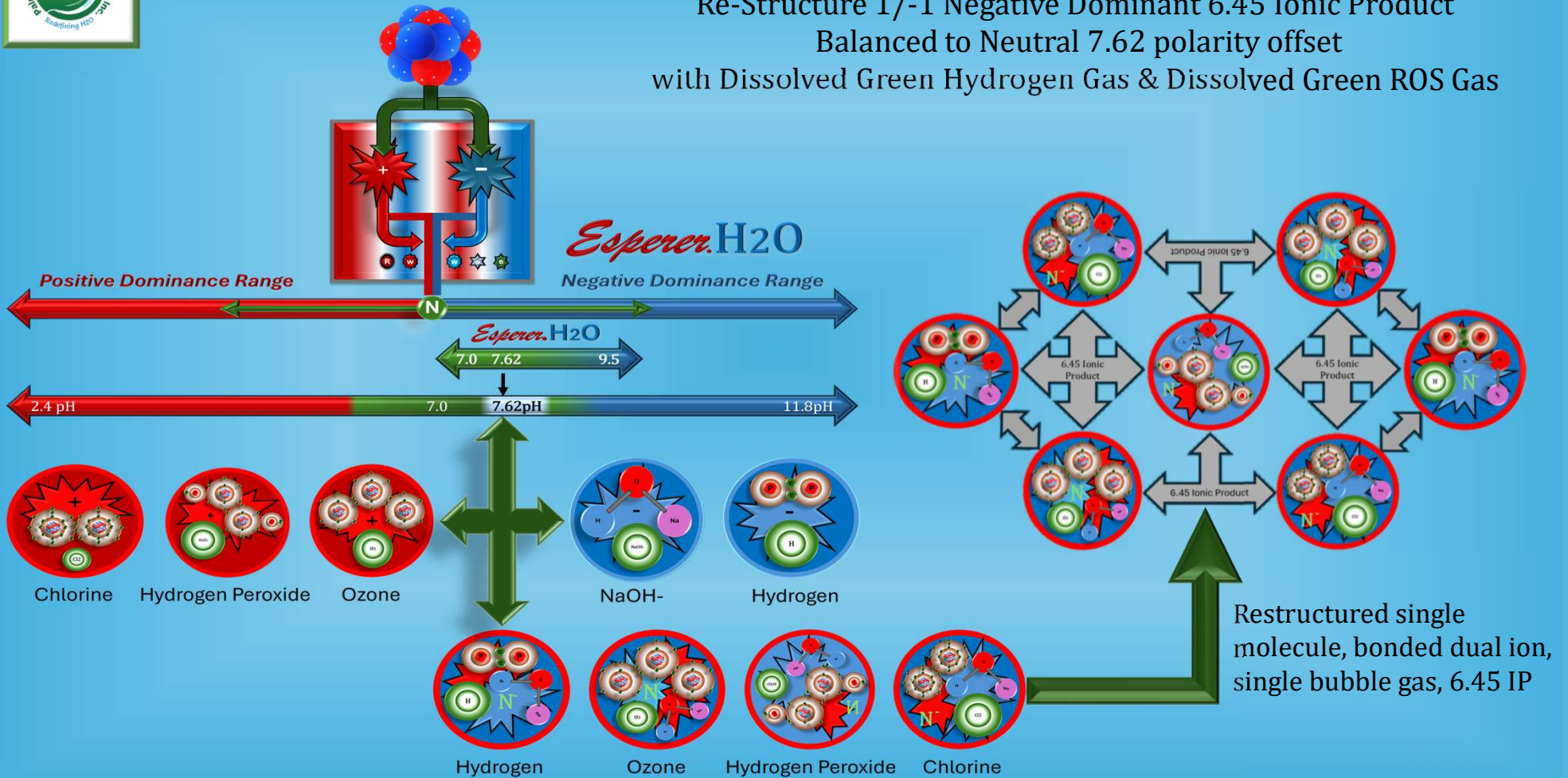
sodium – calcium – magnesium – potassium & ammonium

They now become OH⁻ and Hydrogen Gas



Typical raw water cluster of unbalanced cations & anions

Splitting H₂O Electronically with 10,000 mA Dual Polarity
 Re-Structure 1/-1 Negative Dominant 6.45 Ionic Product
 Balanced to Neutral 7.62 polarity offset
 with Dissolved Green Hydrogen Gas & Dissolved Green ROS Gas





Esperer.H₂O

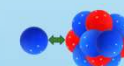
Functional Electrolyzed Water
Residential – Commercial - Industrial

Raw Water
Alkaline Ionizers

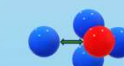
Esperer.H₂O

pH	ORP (mv)	DO (ppm)	DH (ppm)	IP	IP/IP(Tap)
7.31	305	7.16	0	$10^{-13.981}$	1
10.0	-137	8.13	0.176	$10^{-13.88}$	1.32
7.62	-295	12.5	0.288	$10^{-13.19}$	6.45

No Ionic Product



Weak Ionic Product



MAX Ionic Product



Note:

The increase of dissolved oxygen, this is due to the balancing of ROS and Hydrogen, the byproduct is oxygen.

The Hydrogen present in Esperer.H₂O is also different. Ionizes increase the hydrogen concentration although it is not stable, it dissipates quickly. This is due to the hydrogen not being dissolved into the molecule of H₂O as a single bubble gas. This is also why the pH is so high.

Esperer.H₂O creates stabilized single bubble dissolved green hydrogen gas. This process requires dual polarity electrochemistry to increase the Ionic Product and balance ROS with Hydrogen to stabilize and dissolve all gases created in Neutral. This is also why the pH is 7.62, the ions are balanced too neutral negative dominant.

WARNING **“Alkaline Ionized”**

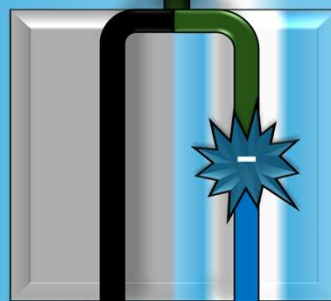
Single Polarity Membrane NANO JUNK
1in/1out - W / Wastewater

Kangen – Vevor - Life Ionizer – AlkaViva –
Nexus – Tyent Water – Enagic
all other single polarity “alkaline ionizers”

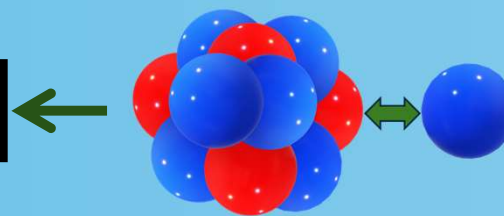
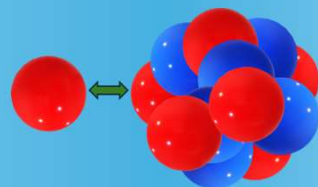
**Don't waste your money on these knock-offs of
the real technology just because they have a
good marketing story, that is all you get, a story!**

*With no power on the anode
side side there is no way to
power up the acidic, no energy
means it is just acidic
wastewater, no increase in ionic
product, no production of ROS.*

Raw Source



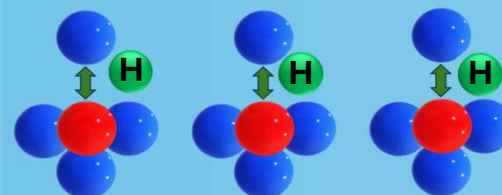
**Clustered Acidic
Wastewater Useless**



*With power only on the cathode, there is no way to
achieve separation perfection, and the limit is 1.37 IP
unbalanced Nano clusters, with unbalanced hydrogen.*

*With an anode and a cathode, the action of attraction
and repulsion provide the perfect separation needed for
advanced increased 6.45 IP mediums and balanced
dissolved gasses.*

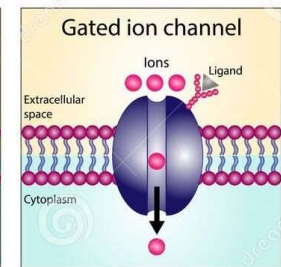
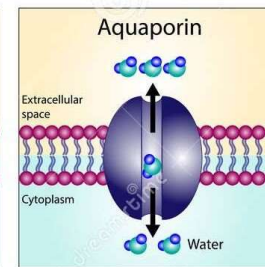
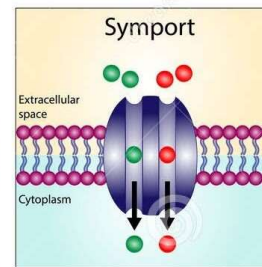
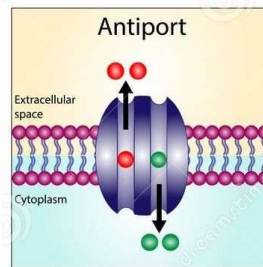
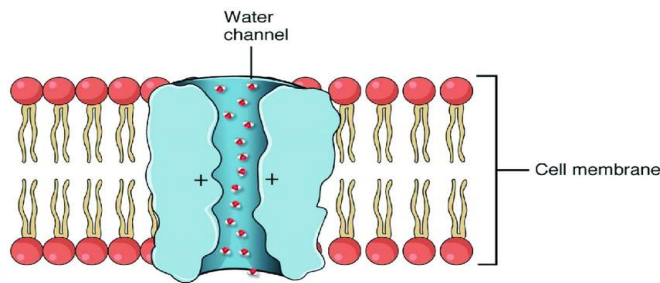
**Finished Reduced Nano Cluster
Typically, 1.37 IP at 10 pH**



Absorption of H₂O: Why Electrolyze? Why 6.45 IP? Why Esperer.H₂O!

To be 100% absorbable to organics, the H₂O and content delivery must pass through an aquaporin.

Esperer.H₂O 6.45 IP having a neutral -1/1 bonded dual polarity ion is compatible for all aquaporin transport.



*Aquaporins, also known as water channels, are protein channels that **selectively transport water molecules and small neutral molecules through cell membranes**. While aquaporins have nonpolar parts that allow them to embed in the membrane, they also have **positively charged residues that can interact with both positive and negative charges**:*

- *Positive charges repel protons*
- *The arginine residue (Arg-195) at the constriction of the aquaporin channel has a strong positive charge that repels protonated water (H₃O⁺). This prevents protons from leaking through the channel.*
- *Negative charges facilitate adhesion*
- *The positively charged amino acid residues in the extracellular loops A and C of lens Aquaporin 0 interact with the negative charges in the plasma membrane to help cells adhere to each other.*
- *Electrostatic barriers prevent trapping*
- *Electrostatic barriers of opposite polarity prevent negatively charged hydroxide ions from becoming trapped within the NPA region.*



Esperer.H₂O

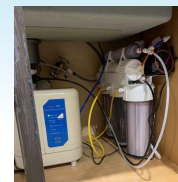
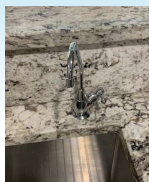


Functional Electrolyzed Water
model ES 2000 with Reverse Osmosis

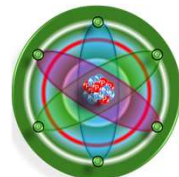


ES 2000
Made in Japan

Pre-Filtration
5 Micron Particle ~ 5 Micron Coconut Carbon Block
CSM Reverse Osmosis ~ pH Neutralization Minerals
AL FO 1MF – Proprietary Filtration
Neutral Electrolysis – Negative Dominant
Post Filtration 10 Micron Coconut Carbon Block
2.5 Gallon Storage Tank & Remote Faucet



Not needed: UV/Blue Lights, Ozone Generators or any of the other “upgrades” typically sold with other systems



The Patented Esperer.H₂O is:

Esperer.H₂O is the most advanced technology for water today.

Esperer.H₂O is the only advanced high amp dual polarity neutral electrolyzed water generator available in the USA.

Esperer.H₂O is the only bonded dual polarity single ion, stabilized at 6.45 Ionic Product, neutral, negative polarity dominant.

Esperer.H₂O is the only electrolyzed water for consumption balanced by the interaction of ROS and Hydrogen producing Oxygen for a complete balance of green hydrogen gas, ROS gases, and dissolved oxygen as the byproduct of splitting H₂O.

Esperer.H₂O is the only electrolyzed single molecule water, with dissolved content 1/-1, and absorbable by 100% of aquaporins no matter the organic species.

Esperer.H₂O is neither acidic nor alkaline, Espereer.H₂O is compatible with both and will not inhibit the action of a pharmaceutical or nutrient, Esperer.H₂O increases the absorbency of both.

Esperer.H₂O presence of Hydrogen generally lasts a few days if bottled so there is no rush like alkaline ionized waters or hydrogen sticks.

Esperer Ionic Product and stabilization of the medium is balanced perfectly, and the shelf life is basically infinite if stored correctly.

Esperer.H₂O is the best water for pets of any species other than saltwater fish of course.

Esperer.H2O is the best defense agent's dehydration especially medial dehydration such as with Cancer & Diabetes patients.

They have a hard time with medication and nutrition because they just cannot hydrate with raw or bottled water.

This document should have answered the question as to why. If you're being treated for a condition, you're on medications, you're dehydrated and can't get hydrated, THIS IS YOUR ANSWER. I know this through 10 years of experience.

Esperer.H2O is Medical Grade Hydration, this is what it was originally engineered for by Dr. Kokichi Hanaoka Ph.D. the patent owner. Dr. Hanaoka literally wrote the book on hydration, *"The Discovery of the Enhanced Properties of Water Supporting Life and Ecology"*.

This document is an introduction, there is more information alliable in PowerPoints and on the website.

Thank you for your interest.

Paul E. Seaver

*Palm Beach Springs Water Company Inc.
Arcadia, Florida*



*Paul E. Seaver
President*



Japan

*Hiroshi Tanaka
President*



*Edward Alexander
President*



*Scott Collier
President*