

"MOLECULAR HYDROGEN ... better than any other ANTIOXIDANT"

Quoted by: Tyler LeBaron: Scientist and Founder of Molecular Hydrogen Foundation

“HYDROGEN exerts a beneficial affect on **CELL SIGNALLING**, **CELL METABOLISM** and **GENE EXPRESSION**, giving it **ANTI-INFLAMMATORY**, **ANTI-ALLERGY** and **ANTI-OBESITY** effects.

HYDROGEN also triggers **AN INCREASE IN OUR BODY’S OWN ANTIOXIDANT SYSTEM ...”** LeBaron

CLINICAL STUDY CONCLUSIONS: “The results suggest that ERW (Electrolyzed Reduced Water) is beneficial for the prevention and alleviation of oxidative stress-induced human neuro-degenerative diseases.” (Shirahata et al., 2011)

High quality ERW creates dissolved atomic hydrogen, also known as “active hydrogen”

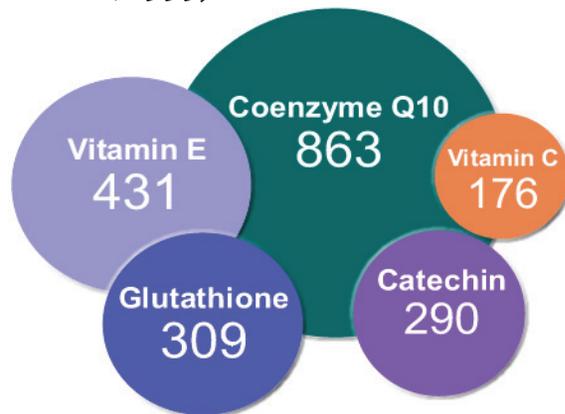
“ERW suppresses the growth of cancer cells and micro-organisms”

(Hamasaki et al., 2005 and Komatsu et al., 2001)

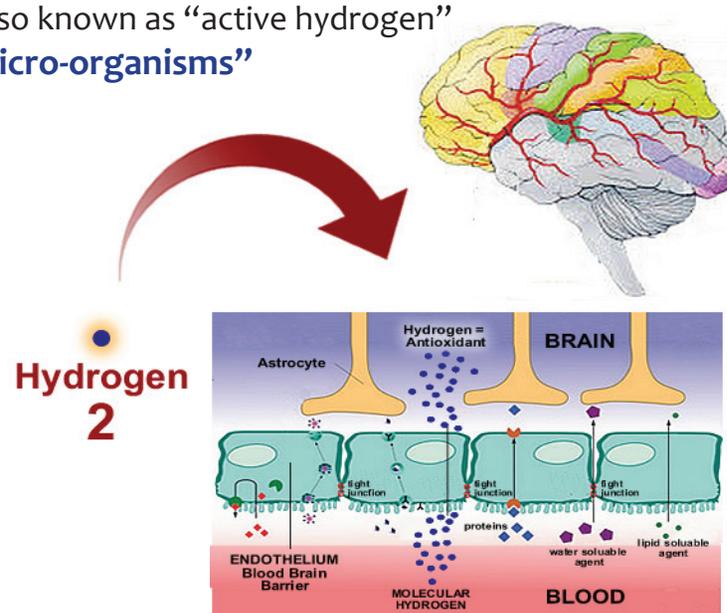
“ERW causes telomere shortening in cancer cells”

- making the lifetime of cancer cells limited.

(Shirahata et al., 1999).



Molecular weights of different anti-oxidants vs. Hydrogen



Able to pass through blood-brain-barrier: oxygen, hydrogen, amino acids, glucose, alcohol, barbituate drugs, sodium, some bacteria.

Blood-Brain-Barrier (endothelial cells)

Cannot pass through blood-brain-barrier: viruses, most bacteria, larger molecules and other anti-oxidants

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Molecular Hydrogen is the smallest molecule in existence. Because hydrogen is so small, it can penetrate deep into all cells to eliminate free radicals at their source: in the mitochondria. **Also, due to its size, hydrogen can easily cross the blood-brain-barrier to reduce free radicals in the brain.** Molecular Hydrogen is created during the electrolysis process. Higher quality Electrolyzed Reduced Water (ERW) contains a lot of dissolved atomic hydrogen (also known as active or molecular hydrogen) and a small amount of platinum nanoparticles. **ERW is known to protect DNA from oxidative damage.** Molecular/Active Hydrogen converts toxic oxygen radicals (ROS) and turns them into water, leaving no by-products. Other antioxidants turn into weaker free radicals themselves after donating their electrons and neutralizing free radicals. **“The positive effects of hydrogen have been confirmed in 138 disease models (by 2014) and scientists are very excited about its impact on disease treatment and prevention. ... hydrogen research and technology is growing exponentially.”** LeBaron