

SMITECH ASIA Portable H₂WATER Generating Bottle

If you treasure your health, get your bottle now for healthy lifestyle



How is Hydrogen Water (H₂WATER) created?

The most cost effective way of generating H₂ is by electrolysis. Putting a battery charge on two electrodes immersed in water will create H₂ and O₂ molecules. The tiny H₂ molecules are dissolved into the water and O₂ is allowed to escape to the atmosphere. The dissolved H₂WATER has many favourable health properties for our body as more than 150 research studies have shown in www.molecularhydrogenfoundation.org

How is H₂WATER beneficial to our body?

It is the latest antioxidant discovered many years ago by Dr Shigeo Ohta, PHD (Nippon Medical School) that surpasses the benefits of alkaline and oxygenated water. This antioxidant feature can be easily proven with any standard Oxygen Reducing Potential (ORP) meter measuring in mV. Most bottled and tap water have positive range of 200 to 280mV and pH range of 6 to 8. However H₂WATER has negative range of -200mV to -500mV and same pH range of 6 to 8. This is the reason why H₂WATER is the most effective antioxidant available as an alternative health supplement for both young and old. Best benefits are 300ml drink before each main meal.

What is the recommended water for this conversion and its maximum working temperature?

Any clean water can work with our H₂WATER Generator, However, if you want maintenance free operation for many years, we would recommend pure distilled water with no mineral content. Tap, filtered and mineral water have minerals content which will scale the electrodes over a period of 3 months. You have to apply citric acid powder with water quarterly to descale the electrodes for 10 hours to improve the conversion efficiency. The maximum water temperature should not exceed 80° C for conversion of higher antioxidant value.

What will be the taste of H₂WATER?

The taste is the same as the water used for electrolysis. You can only see the tiny H₂ bubbles being dissolved during production. However the health benefits are highest when you drink immediately after production as H₂ being the lightest atom can escape within a few hours.

What are the major health benefits as reported by several research studies?

1. Antioxidant
2. Anti-inflammation
3. Anti-ageing
4. Anti-fatigue
5. Anti-bacteria
6. Improve energy
7. Improve sleep quality
8. Improve mental focus
9. Improve weight loss
10. Improve oral hygiene

Antioxidant is a major health benefit for humans as we consume all kinds of food and breathe polluted air to create **Free Radicals** (oxidated substances) which are very harmful to our body over a period of time. **Free Radicals** can cause inflammation, allergies, premature ageing and diseases such as diabetes, heart, arthritis, joint pains, Alzheimer's Dementia, Parkinson, even various cancers. H2WATER will react with these Free Radicals to convert to ordinary water and pass out as urine. Drinking H2WATER will detoxify the body and create the urge to pass more urine. It is easy to test the antioxidant properties by connecting an ORP meter to show its negative mV values (indicator of antioxidant) as illustrated below:



Typical Test Results with various water supply				
Type	pH	ORP (mV)	H2 Conc.	Temp
Tap Water	6.43	+253	0.00 ppm	27.3°C
3 min charge	6.98	-283	0.80 ppm	27.5°C
6 min charge	7.13	-323	1.02 ppm	27.9°C
Boiled Water	7.16	+102	0.00 ppm	28.1°C
3 min charge	7.35	-288	0.81 ppm	28.2°C
6 min charge	7.50	-325	1.05 ppm	28.3°C
Pure Water	7.20	+150	0.00 ppm	27.2°C
3 min charge	7.32	-309	0.85 ppm	28.0°C
6 min charge	7.05	-342	1.12 ppm	29.1°C
Mineral Water	6.71	+105	0.00 ppm	21.7°C
3 min charge	7.23	-264	0.88 ppm	22.6°C
6 min charge	7.32	-315	1.15 ppm	23.0°C

H2WATER has -437mV antioxidant when freshly made @ 48.5°C

How can H2WATER improve energy when it is just pure or tap water?

H2WATER has tiny hydrogen molecule to penetrate into muscle and brain cells much faster than ordinary pure or tap water. The ability to hydrate those cells quickly with water gives energy to the body and brain. Hence improvement in energy and mental focus are felt by people who are tired and exhausted. Sleep quality also improves when the brain is well hydrated.

How can H2WATER improve weight loss?

The tiny hydrogen molecule actually reacts with Free Radicals to convert to water. Once these Free Radicals are removed from the body, the desire to eat snacks or junk food is greatly reduced. This phenomenon is unique to H2WATER only. Many obese people experience this feeling after taking H2WATER. They stop eating snacks or junk food after the main meals.

Why is SMITECH ASIA Portable H2WATER different from other makes?

The colour design and quality are meant for old and new generation people who want to stay healthy with minimum investment and maximum health benefits. Imagine the portable unit can operate 7,000 times at 3 min charge using lithium rechargeable battery similar to your mobile phone. This works up to 6.39 years if you operate 3 times per day at 3 min charge for 300ml of H2WATER. Assuming unit price + tap water + electricity = S\$500 for 5 years operation. Each yearly expenses will be S\$100 or S\$0.28 per day. It certainly costs less than a dollar a day to keep the doctor away. Our competitors cannot meet this Japanese high quality standard.

Since the electrolysis technology is Japan made, it does not require any expensive filter replacement or maintenance. In fact the unit works better with more hydrogen bubbles when it is more seasoned. The transparent bottle will become milky because of more tiny H₂ molecules created. No expensive maintenance for his portable model which has one year full warranty against manufacturing defects. www.smitechasia.com.sg

What kinds of clinical researches on humans have been done on Hydrogen Water

1. Molecular hydrogen is a novel antioxidant to efficiently reduce oxidative stress with potential for the improvement of mitochondrial diseases. Dr Shigeo Ohta
<https://www.ncbi.nlm.nih.gov/pubmed/21621588>
2. Pilot Study: Effects of drinking hydrogen-rich water on muscle fatigue caused by acute exercise in elite athletes. Aoki K, Nakao A, Adachi T, Matsui Y, Miyakawa S.
<https://www.ncbi.nlm.nih.gov/pubmed/22520831>
3. Supplementation of hydrogen-rich water improves lipid and glucose metabolism in patients with type 2 diabetes or impaired glucose tolerance. Sizuo Kahiyama, Goji Hasegawa, Mal Asano, Hiroko Hosoda, Mitchiaki Fukui, Naoto Nakamura, Jo Kitawaki, Saeko Imai, Koji Nakano, Mitsuhiro Ohta, Tesuo Adachi, Hiroshi Obayashi, Toshikazu Yoshikawa
<https://www.ncbi.nlm.nih.gov/pubmed/19083400>
4. Consumption of water containing a high concentration of molecular hydrogen reduces oxidative stress and disease activity in patients with rheumatoid arthritis: an open-label pilot study. Toru Ishibashi, Bunpei Sato, Mariko Rikitake, Tomoki Seo, Ryosuke Kurokawa, Yuichi Haram Yuji Naritomi, Hiroshi Hara and Tetsuhiko Nagao.
<https://www.ncbi.nlm.nih.gov/pubmed/23031079>
5. Hydrogen water intake via tube-feeding for patients with pressure ulcer and its reconstructive effects on normal human skin cells in vitro. Li Q, Kato S, Matsuoka D, Tanaka H, Miwa N
<https://www.ncbi.nlm.nih.gov/pubmed/24020833>
6. Effects of drinking hydrogen-rich water on the quality of life of patients treated with radiotherapy for liver tumors. Kang KM, Kang YN, Gu Y, Kawamura T, Toyoda Y, Nakao A
<https://www.ncbi.nlm.nih.gov/pubmed/20190245>
7. Electrolysed-reduced water dialysate improves T-cell damage in end-stage renal disease patients with chronic haemodialysis. Huang KC, Hsu SP, Yang CC, Ou-Yang P, Lee KT, Morisawa S, Otsubo K, Chien CT
<https://www.ncbi.nlm.nih.gov/pubmed/22146004>
8. Hydrogen acts as a therapeutic antioxidant by selectively reducing cytotoxic oxygen radicals. Ikuroh Ohsawa, Masahiro Ishikawa, Kumiko Takahashi, Megumi Watanabe, Kiyomi Nishimaki, Kumi Yamagata, Ken-ichiro Katsura, Yasuo Katayama, Sadamitsu Asoh & Shigeo Ohta
https://www.researchgate.net/publication/6345492_Hydrogen_acts_as_a_therapeutic_antioxidant_by_selectively_reducing_cytotoxic_oxygen_radicals
9. Hydrogen water for health benefits and future perspective in Japan. Tazawa Kenji M.D. Emeritus Professor of Toyama Medical & Pharmaceutical University
<http://www.mizunokagaku.com/common/pdf/2013kouen.pdf>
10. More than 500 research studies (150 human diseases) available at: www.molecularhydrogenfoundation.org
11. Watch YouTube Video on SMITECH ASIA H2WATER at: <https://youtu.be/qkwjoHyfMfQ>

For more information, please contact sales@smitechasia.com.sg or visit www.smitechasia.com.sg