

**BiGLUX**



Model:  
SF-100

Model: HOS1



***Healthy Naturally***



## About Biotek

Biotek United Kingdom has been dedicated to research and development in ozone generation for over 20 years. With over 40 worldwide patents, Biotek is the first and only company that applies indirect Electrolytic Ozone Generation (iEOG) technology to separate oxygen atoms (O) from water molecules (H<sub>2</sub>O) for the synthesis of ozone (O<sub>3</sub>) oxygen (O<sub>2</sub>) and hydrogen atoms (H<sub>2</sub>).

## Biolux Hydrogen Water – Excellent Antioxidant

The simplest, smallest, and lightest molecule in the world, a good reducing agent.

Smallest Molecule, Best Antioxidant.

### Sources of antioxidants:

Our body produce enzyme and antioxidants to balance oxidation and antioxidation.

Antioxidants from food can help clear superoxides.

Antioxidant health supplement such as iron, vitamin A / C / E, and beta carotene.

\* Remark: excessive antioxidant supplement will overload the metabolism task of the body, and may even further stimulate the oxidation of tissue, lead to cell damage.



### Check if you need to supply antioxidant ?

- Smoker
- Drink lots of alcohol
- Stay up late
- Under high pressure
- Long-term exposure to electronic equipment
- Undergoing chemotherapy
- Want to stay young & healthy
- Have poor sleep quality
- At sub-health state

## Amazing Antioxidant!



200 ml

Biolux Hydrogen Water



60 pcs

West Indian Cherries



100 pcs

Lemons

High temperature or wrong container accelerate the evaporation ratio of hydrogen.

Drink the freshest hydrogen water to get the best effect!

## Biolux hydrogen water uses nebulized mixing technology to mix hydrogen directly in purified water

- Benefits:
1. Keeps the minerals without altering water's natural pH.
  2. Provides the highest hydrogen concentration (up to .2 ppm).
  3. No additional metal ions, such as magnesium ions.
  4. No residue left for metabolism and will not add any burden to the body.
  5. Easily cross the blood-brain barrier, and enter the nucleus and even mitochondria to do intracellular repair.
  6. The "push-to-drink" feature helps keep the freshest H<sub>2</sub> water.
  7. Economical.



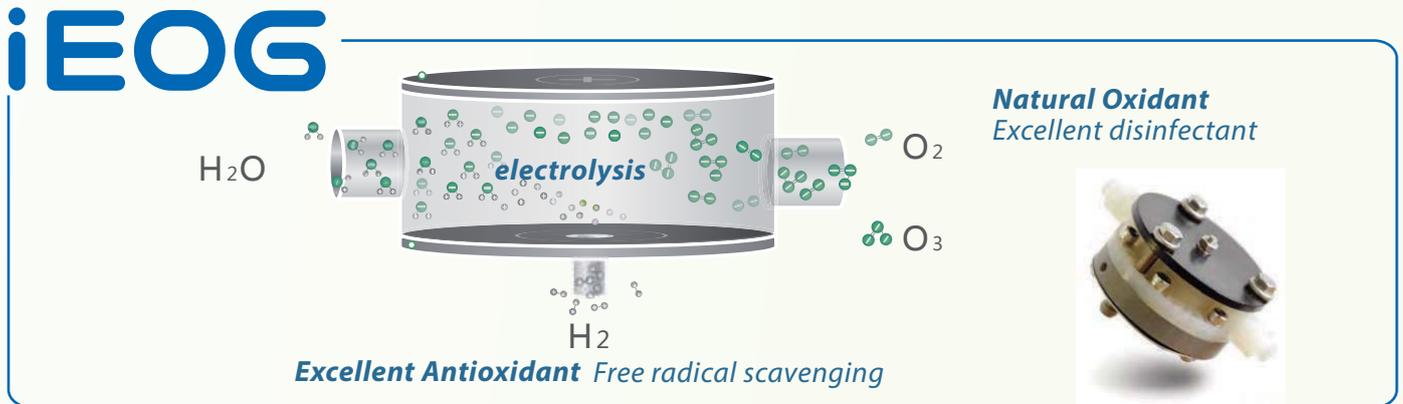
## Comparison of Different Water Machines

	 Biolux	Water Ionizer	Mg Bar	Packed H <sub>2</sub> Water
pH Neutral	✓	✗	✗	?
Free of micro-organism	✓	?	?	✓
Keep minerals in water for body	✓	✗	✗	✗
No additional metal ion to add kidney burden	✓	✗	✗	✓
Good Reduction Potential (ORP < -500mv)	✓	✓	✗	✗
Instant Supply	✓	✓	✗	✓
No waste of water	✓	✗	✗	✗
High hydrogen concentration (> 1 ppm)	✓	?	✗	✓

## Global patented indirect Electrode Ozone - Hydrogen Generation (iEOG) technology

Water is the origin of life. After electrolytic restructuring, water ( $H_2O$ ) becomes Ozone ( $O_3$ ), a strong oxidant, and Hydrogen ( $H_2$ ), an effective antioxidant.

Biolux applies the most advanced ozone / hydrogen generation technology—iEOG technology. It effectively dismantles water molecules and reorganize them to environmentally friendly hydrogen and ozone.



Soil Association, UK, allows the organic vegetable suppliers in UK to use the iEOG ozonated water to process all organic vegetables

Ozone naturally reverts oxygen when impurities have been eradicated!

## Biolux Ozonated Water - Strong oxidant

Safest Sanitizer and Easy to Use

Cleaning effect of Biolux Ozonated water



Deodorization & Preserves Freshness

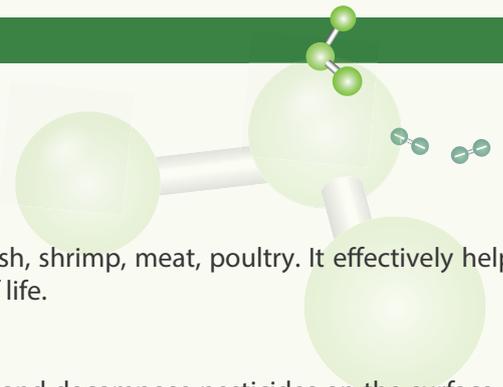
Ozonated water can be directly used on fish, shrimp, meat, poultry. It effectively helps sterilization, disinfection, and extends shelf life.

Chemical Decomposition

Biolux ozonated water can quickly oxidize and decompose pesticides on the surface of fruits and vegetables. 94% or more pesticides can be decomposed within 1~2 minutes.

Disinfection & Sanitation

E. coli, Salmonella spp., Methicillin-resistant S. aureus can be killed in just 5 seconds. The disinfection rate reaches as high as 99.999% Certified by NSF (USA) and Campden BRI (UK) as terminal sanitizer.



## Comparison of different disinfection methods

	Baby care Feeding bottle, Toy and layette disinfection	Drinking Water Drinking water disinfection	Surface disinfection Tableware and kitchen-ware disinfection	Food preservation Sashimi and cold dish preparation	Food disinfection Pesticide and insecticide decomposition	Pet Care Remove unpleasant smell and flea	Hand sanitization Eliminates of all known bacteria and viruses	Laundry sterilization Clothing and footwear deodorization	unfreezing Frozen food unfreezing
<b>Biolux</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓
Electrolyzed Water	○*	○*	○	✗	✗	✗	○*	✗	✗

✓ Effective    ○ Feasible    ✗ Not feasible

\* Electrolyzed water with mid pH value takes time for disinfection and has low sterilization efficiency; whilst electrolyzed water with extreme pH value is corrosive.

## Test and compliance

### BIOLUX OZONATED WATER EFFICIENCY TEST

Test Item		0 sec	5 sec	15 sec	Reduction (%)
Antimicrobial Efficiency Test	Staphylococcus aureus (CFU/ml)	$5.4 \times 10^5$	Not Detected	Not Detected	>99.999
	Escherichia Coli (CFU/ml)	$2.5 \times 10^5$	$6.1 \times 10$	< 10	99.99
	Salmonella (CFU/ml)	$1.7 \times 10^5$	$1.9 \times 10$	Not Detected	99.9
	Pseudomonas aeruginosa (CFU/ml)	$4.5 \times 10^5$	Not Detected	Not Detected	>99.999
	Candida albicans (CFU/ml)	$1.3 \times 10^5$	Not Detected	Not Detected	>99.999
	MRSA (CFU/ml)	$1.2 \times 10^5$	Not Detected	Not Detected	>99.999
Test Item		0 sec	60 sec		Reduction (%)
Residual Pesticide Decomposition Test	Mevinphos (mg/L)	0.642	0.000		100
	Permethrin (mg/L)	0.559	0.0337		94

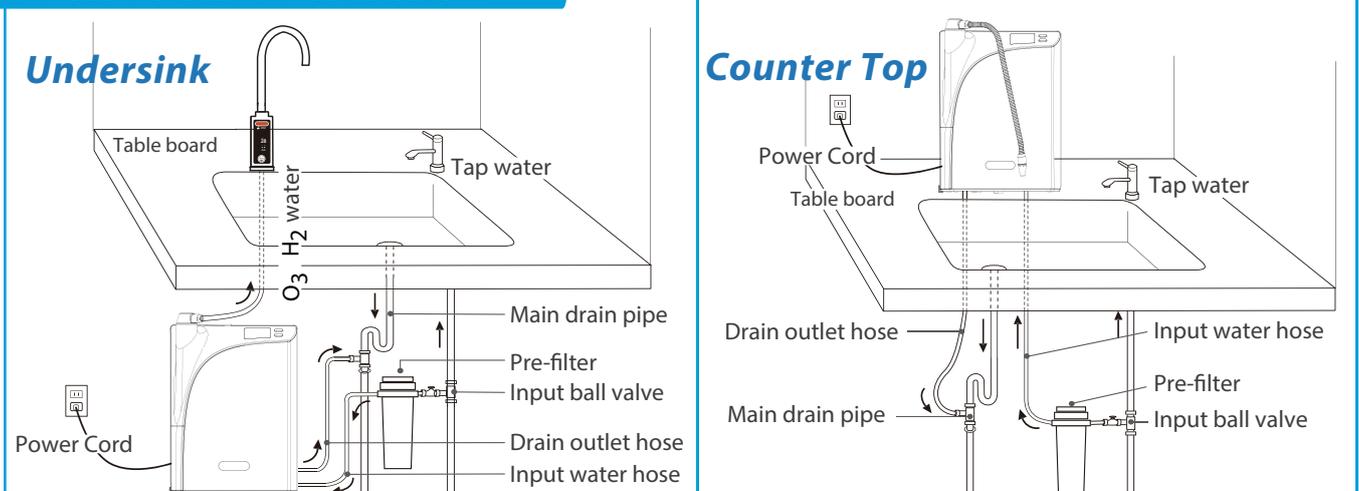


The above test results by SGS show the efficiency of Biolux's ozonated water with 5 second and 15 second exposure times for eliminating various microorganisms up to 99.999% and chemicals up to 100%. SGS is the world's leading inspection, verification, testing and certification company. SGS is recognized as the global benchmark for quality and integrity.

## Product Specification

Output Features	Hydrogen Water	Ozonated Water
Flow Rate	90 Litre / hour ( 1.5 Litre / min )	180 Litre / hour ( 3.0 Litre / min )
Concentrations	1.1 ~ 1.2 ppm (Dissolved hydrogen)	4.0 ~ 1.0 ppm (Dissolved ozone )
Oxidation Reduction Potential (ORP)	-588~-518mv/pH7.5±0.5/23±3°C	-
Output pH	6.5 ~ 7.5 Neutral	
Apply Inflow Quality	Municipal Water ( Conductivity<500µs/cm , pH : 6.0 ~ 8.0 Neutral )	
Apply Power	AC - 100 ~ 240V / 60 ~ 50Hz, 60W	
Dimension	300(W) x 165(D) x 400(H) [mm]	
Net Weight	7.5 kg ( Around 9.5 kg when filled with water)	

## Installation Instruction



AF<sup>+</sup>T Group

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