

Natural Infection Control & Dedicated Hand Hygiene Gentle on the Earth & Humans, But deadly to Mould-Fungus their spores, Bacteria, Viruses & Superbugs.



- Ozonated Water Testimonial 25/9/2020

As a food safety consultant for the Australian Food Institute Pty Ltd, I have had numerous dealings with ozone related products starting back over 20 years . Ozonated water's effectiveness in reducing surface microbial levels on food products (both proteins, fruit and vegetables), contact surfaces and food handlers hands has been verified on a number of occasions by AFI clients both in hospitality and commercial food production. It not only reduces surface microbial levels it can also be used to refresh, reinvigorate and extend the storage life of numerous vegetable and in particular green leafy varieties. Ozonated water units can also be connected to ice machines reducing microbial levels and the production of biofilms within ice storage areas.

Todd Nelson- Co-Director Australian Food Institute Pty Ltd

- I have recently had installed into my clinic the Kona Sensor KIC tap supplied by Jason and Tamara the friendly team at Peppermint Healing-Ozone Devices. I became aware of ozonated water after reading Laurie Walsh's article. It is my understanding that the ozonated water is a non-toxic anti-microbial disinfectant, hand sanitiser and deodoriser. It is TGA registered and provides antimicrobial water on demand, assists pre-rinsing and soaking surgical instruments prior to autoclave and prevents biofilm build up. I am enjoying introducing it in my practice as an adjunct to our existing infection control and hand hygiene protocols.

Dr. Tony Rotondo- Ex president of the Australian Society of Aesthetic Dentistry (Qld Branch), secretary of ANZAP (Australian & New Zealand Academy of Prosthodontists)

Jason Woodward & Tamara Andrijich

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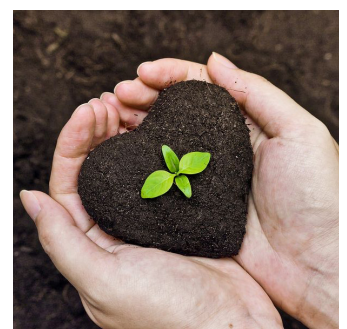
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Peppermint Healing - ozone devices

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MICROORGANISM	CONTACT TIME	REDUCTION
E. coli	30 Seconds	99.999%
Staph A.	30 Seconds	99.999%

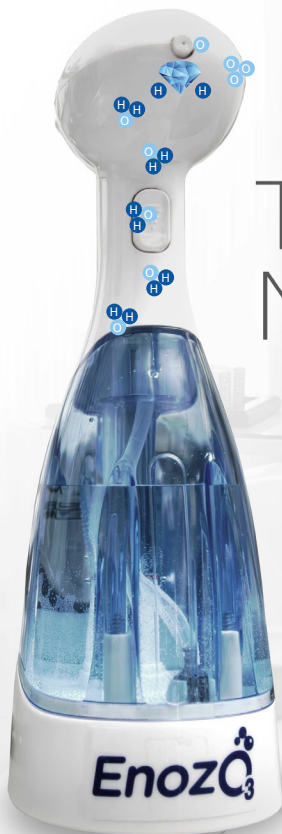
SB100 Spray Bottle Testing Results Using Modified AOAC 960.09 Protocol. All tests were done as suspension testing for Food Contact Surface Sanitization using non-halide chemicals.

The new age of health and cleaning technology

- Save \$1,000's! Equivalent to approximately 12,000 bottles of generic surface cleaner.
- Up to 5,000 refills during the life-cycle of one EnozoPRO bottle.
- No toxic chemicals and no additives. 100% Natural
- Inhibits the growth of microbes in just 30 seconds
- Eradicates biofilm of surfaces and glass

MICROORGANISM	CONTACT TIME	REDUCTION
E. coli	30 Seconds	99.9%
Staph A.	30 Seconds	99.9%
Salmonella	30 Seconds	99.9%
Klebsiella pneumoniae	30 Seconds	99.9%
Enterobacter aerogenes	30 Seconds	99.9%

SB100 Spray Bottle Testing Results Using Modified AOAC 961.02 Protocol. All testing done at Lapuck Laboratories, Canton, Mass., following the directions for use in the SB100 manual. All tests were done on non-porous stainless steel surfaces.



Turns
NORMAL TAP WATER

into

Active Ozone Water

Enozo S8100 Spray Bottle Inactivates >99.9% of Human Coronavirus 229E (surrogate virus for SARS-CoV-2)

Aqueous Ozone(AO) is a product of water and air in the presence of an electrical charge. The electrical charge creates one of the worlds most powerful oxidisers on the planet, revolutionising the way people clean, deoderise and sanitise spaces.

Kona Infection Control Faucet (KIC TAP) The worlds 1st TGA registered Chemical Free Antimicrobial Sensor Faucet: Watermark approved, FDA Safety approved, SGS tested 10 second rinse with 99.99% kill rate. Antimicrobial water 24/7 on demand POU. Pre-rinsing & soaking surgical instruments prior to autoclave. Improved hand hygiene and safety: 99.99% kill rate with just a 10 sec rinse. Oxidise microbes and prevent biofilm colonising sinks and S-traps. Easy installation, low cost, chemical free infection prevention, Replace your existing tap with a KIC TAP! INFECTION CONTROL ON TAP, 24 HOURS A DAY FOR PENNIES A DAY!

Kona Infection Control – KIC TAP

Chemical FREE- Environmentally Safe and Effective Infection Control

Unlike ordinary taps KIC TAPS are the ONLY PATENTED scientifically proven, environmentally friendly, and easily installed ANTI-MICROBIAL TAPS featuring on-demand Aqueous Ozone Infection Control 24 HOURS A DAY which kills bacteria and viruses within seconds of contact and leaves no toxic chemicals or residue behind. Ozone is about 50 times more powerful than chlorine and kills bacteria and viruses three times as fast, which means you get instant disinfection response with very low concentrations. The truly unique property of ozone is that it destroys biofilms.

Topical use of ozonated water in dentistry leverages the antimicrobial and immune stimulating properties of Ozone. Ozonated water has been suggested as an alternative pre-procedural rinse to existing agents such as chlorhexidine and essential oils. Ozone in water can kill bacteria and other pathogenic microorganisms by rapidly rupturing their cell membranes (within several seconds). The same effects occur when dental plaque is exposed to ozonated water as a rinse. Ozonated water has no side-effects such as unpleasant taste or tooth staining, which are characteristic of other biocides or disinfecting agents.

Ozonated water can also be used as a sterile irrigation solution for surgery (as it enhances haemostasis), or as an antimicrobial mouth rinse following tooth extraction. Of interest, ozonated water when used as a daily mouth rinse has been reported to accelerate healing of oral mucosal wounds, particularly when used over the first 48 hours after surgery.



The same benefits of accelerated wound closure may be seen when used in patients with oral ulcerations from chemotherapy. The greater speed of wound closure can be explained by the known positive effects of topical Ozone on enhancing local microcirculation. Known positive biological effects of Ozone include improved oxygenation of tissues, greater cell motility and accelerating of immune responses to bacteria. Accompanying these effects is an enhancement of natural antioxidant defense systems.





Independent Laboratory Testing Results

Test Organism	Product Tested	Test Type	Contact Time	Replicates	Median LOG10 Reduction	Median Percent reduction
<i>Enterococcus hirae</i> ATCC 10541	GreenTeck Global Ltd. Enozo SB100	Suspension Test	5 minutes	3	4.58 LOG10 cfu/ml	99.9974 % cfu/ml
<i>Pseudomonas aeruginosa</i>	GreenTeck Global Ltd. Enozo SB100	Suspension Test	5 minutes	3	2.6 LOG10 cfu/ml	99.7 % cfu/ml
<i>Staphylococcus aureus</i>	GreenTeck Global Ltd. Enozo SB100	Suspension Test	5 minutes	3	5.6 LOG10 cfu/ml	99.9998 % cfu/ml
<i>Escherichia coli</i>	GreenTeck Global Ltd. Enozo SB100	Suspension Test	5 minutes	3	5.1 LOG10 cfu/ml	99.9992 % cfu/ml

- NoV (Norovirus) infections can have serious health consequences, causing morbidity and mortality, particularly in elderly patients as well as in young children and people with compromised immune responses. Ozonation has been used to disinfect drinking water in Europe since 1906, because of its ability to destroy or inactivate bacteria, viruses, amoeba and parasites in clean water. Raw sewage contains over 300 different viruses in addition to NoV, such as hepatitis A virus, hepatitis E virus, rotavirus, adenovirus, astrovirus, parvovirus, **coronavirus**, poliovirus and other enteroviruses. Ozonation is known to inactivate NoV as well as these other enteric viruses of concern and for this reason, it is used widely in wastewater disinfection as part of sewage treatment. Ozone treatment of sewage eliminates **ALL** these viruses. “More than 99% of NoV can be inactivated by ozone at 1 mg/ litre (1ppm) within 2 minutes. This process works well in both cold tap water (5 deg C) and room temperature (20 deg C)

Professor Laurence J. Walsh is based at the University of Queensland School of Dentistry. He serves as the technology editor and infection control of Australian Dental Practice magazine and is the editor of the ADA(Australian Dental Association) Infection Control Guidelines. Prof.Walsh is a noted commentator on and user of new technologies.



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