



Health Technology Review	
Technology Ref.:	HTA21057
Technology Name:	Hand Sanitizer HS-100
Approvals by International Bodies:	CEcert Gmbh for electrical safety and electromagnetic compatibility
Company name:	CBC Medical Store
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Short Description of the Technology:	<p>The cold plasma is also called "The Fourth State of Matter" along with solid, liquid and gas. The cold plasma is a conductive mixture of ionized molecules, one of them is the Hydroxyl radicals known for their disinfection effect.</p> <p>Only electricity and ambient air are needed to produce cold plasma.</p> <p>The manufacturer enhances the disinfection effect by mixing the Cold Plasma with nebulized water.</p> <p>There's a plasma source at the bottom of the device, the cold plasma is generated due to ambient air and electricity. The Cold Plasma is sent to the back of the device where it will be mixed with nebulized water.</p> <p>How it works?</p> <p>Put your hands inside the device, wait for 15 seconds and your hands, between your fingers and under the finger nails will be completely disinfected.</p> <p>For the whole Sanitation experience you need purified water & electricity.</p> <p>The Luxury Hands Sanitizer cleans and sanitizes Objects too.</p> <p>99.99 % of the bacteria, viruses including corona virus and germs are eliminated from the hands and objects.</p>
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Health Technology Assessment Team Recommendation:	Not Required DOH Approval
Summary of Review:	
<p>HS-100 is device intended to use for hand sanitizing, the technology used is the cold plasma technology, the device will produce the cold plasma from the ambient air and electricity power and will be send to the back of the device where it will be mixed with nebulized water, the device required to be filled with nebulized water & change filter on Quarterly basis.</p> <p>The cold plasma technology is already used in the healthcare for skin and teeth treatment and medical device sterilization. It is also used at food production in the packaging process. It is found in the computer chip production too</p>	
Advantages	Disadvantages
Safe: Based on the available studies ,Cold plasma fulfils basic recommendations for safe use on human skin	Further investigations/studies on the disinfection efficiency and improved cost performance are needed

Patented Technology ; WK-MedTec GmbH own the patent	Lack of local cost effectiveness study
Cold Plasma is a new technology that may overcome Conventional sterilization challenges; such as sterilization of heat sensitive surfaces, and effective in eliminating heat resistant microorganisms like prions	Filters need to be replaced on Quarterly basis
Sustainability & Environment friendly – no chemical residues	
Proven studies on the efficacy of the cold plasma technology in disinfection/sterilization	

We recommend using this technology with the following conditions

- This product will not replace any infection control and sanitization measures mandated by Abu Dhabi or UAE government for healthcare facilities or public places.
- Hence, DoH recommendation is to only use this technology as an additional measure for the prevention of infectious diseases.

Moreover, DOH has the right to stop the product at any stage if deemed necessary, initial conditions and any subsequent conditions must be satisfied before obtaining final approval. Failure to do so will reflect in provoking the approval.

Technology Image

