



Health Technology Review	
Technology Ref.:	HTA21058
Technology Name:	Air Sanitizer Bluetaction.
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. Only electricity and ambient air are needed to produce cold plasma.</p> <p>The Air Sanitizer produces the cold plasma using electricity and ambient air only and distributes it through all the closed room. As soon as bacteria and viruses enter the room, they are eliminated immediately and in real time. Bluetaction proved its disinfection effectiveness on the surfaces inside the closed rooms (tables ...)</p> <p>The Air Sanitizer comes in two sizes; the Bluetaction that disinfects rooms up to 40m2 and the Bluetaction pro which disinfects rooms up to 90 m2</p>
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Health Technology Assessment Team Recommendation:	Not Required DOH Approval
Summary of Review:	
<p>Bluetaction is a device for Air sanitizing which use cold plasma technology, it is a promising new method that enables rapid processing at low temperatures without any associated chemical residues, A technique of cleaning air that separates ions into negative and positive to get a reaction of them snapping back together because of polarity. The result is newly-formed clusters of ions that includes any airborne pollution that is in the vicinity when the cold plasma air cleaning technique is applied.</p>	
Advantages	Disadvantages
Recent studies have shown that plasma can efficiently inactivate microbial pathogens in the air such as bacteria, fungi, and viruses , therefore help in reducing infections.	Further investigations/studies on the disinfection efficiency and improved cost performance are needed
Limited resources are needed for producing the cold plasma ; Generate the plasma from Ambient air and electricity only.	Lack of local cost effectiveness study
Environment friendly – no chemical residues	
The device could use in clinical environments and hospital settings and when used properly, it	

can reduce harmful microbes and particulates at home

Safe, low maintenance (no filter needed), easy-to-install and energy efficient.

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

