



| Health Technology Review | |
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| Technology Ref.: | HTA21048 |
| Technology Name: | IONIC DIFFUSION- Ionic Shield |
| Approvals by International Bodies: | The applicant didn't provide proof for FDA neither CE approvals |
| Company name: | TOTALIZE COMPANY |
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| Short Description of the Technology: | Ionic Shield device emits scientifically formulated ionic compounds targeting viruses in the air. Ions are emitted from a special capsule containing the prepared ionic substance. Ions of K, Mg, Ag, Pt and other elements are emitted, actively interacting with air molecules and any viruses present. The viral load is decreased as the result. The technology suppresses the airborne transmission of viruses. The effect is present also in the air pathways with the nose and lungs of a person using the device, service as a prophylactic aid in fighting airborne viral infection |
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| Health Technology Assessment Team Recommendation: | Not Require DOH Approval |
| Summary of Review: | |
| Ionic diffusion is noninvasive device that acts on airborne pathogens viruses, bacteria and fungus. The device could help in COVID 19 pandemic; reducing the viruses transfer & infection. It can be used in hospitals, schools and offices. | |
| Advantages | Disadvantages |
| Small portable device | Breakthrough Technology that Lack of international standardization |
| Application of the new technology "Ionic" which is the dispersion of active ions compounds in the air, to actively interacting with air molecules and any viruses present. | Further studies required to prove the Prophylactic effect of the device |
| No Need for filter – just ionizes capsule which is replaceable every 12 months | Lack of International approvals, FDA |
| Clinical studies proved that the device could eliminate the viral load of Sars – Cov – 2 virus | Lack of cost study effectiveness in comparison with devices of similar technology |
| <p>Since it is a consumer product but not a medical product there is no requirement for DoH approval or marketing authorization. We would highlight furthermore:</p> <ul style="list-style-type: none"> 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.

Therefore, from our point of view this technology has great ability but does not require DOH approval.

Technology Image:

