

Asian Copperline mask claims to kill SARS-CoV-2

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Asia's largest microbiology research institute to help stop the spread of COVID-19

Yappie Pte. Ltd. announced that Korea's Copperline Mask has been independently verified to be the first face mask in Asia to kill SARS-CoV-2. The mask is sustainable and is certified as a Green Technology Product by the Korean Government's Ministry of Health.

The Copperline Mask's patented ionised copper yarn knitted fabric actively eliminates bacteria and viruses. Jeonbuk National University, the largest microbiology research institute in Asia, has verified that this patented technology renders SARS-CoV-2 inactive and terminates the replication of the virus' ribonucleic acid (RNA).

Researchers verified that the viral proteins in SARS-CoV-2 cells were virtually undetectable after being treated with the mask's ionised copper yarn fabric for 30 minutes. PCR tests also confirmed that contact with the ionised copper yarn fabric led to a significant decline in the relative expression of SARS-CoV-2.

"Copper is an essential and powerful tool in slowing the spread of COVID-19," said Dr. John Hwa Lee, Jeonbuk National University. "The [Copperline Mask] enhances the virucidal activity of COVID-19 even higher. Due to its increased surface area, the mask improves this microbicidal action via the interaction of copper ions with [SARS-CoV-2] virions."

With its ionised copper fabric, the mask has antibacterial, antimicrobial, and antiviral properties and provides protection from UV rays while allowing far-infrared emission in to promote healthy skin. The mask's self-sterilising functionality also eliminates 80% of odours within 30 minutes.

Designed to be worn all-day, its ergonomic shape tapers over the chin and reduces pressure on the user's ears, with an air zone providing maximum breathability. The mask is also designed for users with sensitive skin, reducing acne build-up and allergic skin reactions commonly seen when wearing disposable masks.

With four sizes and nine colours, users can find a comfortable and fashionable fit without compromising on their health.

The Copperline Mask is reusable, certified to perform its antibacterial functions after 30 washes and tested to be functional even after three months of use. A High Efficiency Particulate Air (HEPA) filter has been offered for users who wish to

enhance protection in areas of higher risk or during conditions of poor air quality such as during a bad haze.