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## **NTU, PureFize Unveil Eco Chip to Extend Food Freshness**



*Credit: PureFize Technologies.*

Scientists from NTU Singapore and Swedish technology company PureFize Technologies have developed a compact chip that emits ultraviolet (UV) light for disinfection. Unlike conventional mercury lamps, the chip generates UV light without requiring mercury.

The innovation has been incorporated in a handheld product called EcoLoc that keeps food fresh. EcoLoc is used with a specially developed food container lid that fits the Ikea series of 365+ food storage containers.

Using the device, the shelf-life of various perishable foods was extended to almost a week.

The researchers are working on integrating the technology into other disinfection applications such as medical equipment sterilisation, home sanitation and packaging.

<https://www.miragenews.com/ntu-purefize-unveil-eco-chip-to-extend-food-1450698/>