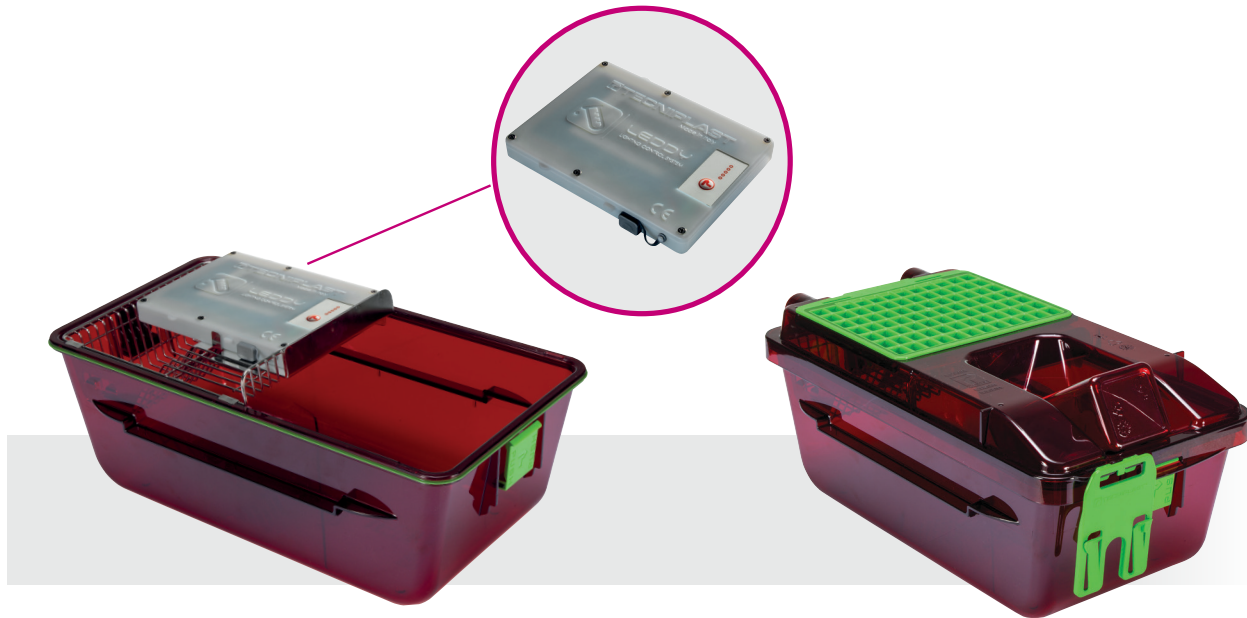




Wireless and programmable IVC intra cage lighting system for studies involving circadian rhythm.

LEDDY allows the evaluation of the animals' physiological responses to lighting stimuli without removing the cage from the rack. The system comprises one red tinted cage with a programmable LED source inside the cage that allows an operator to set up custom light cycles at cage level. Multiple studies can be conducted separately on the same rack without interfering with one another.



FLEXIBILITY & SAVINGS

- **Simultaneous studies:** Cages can be programmed individually, allowing different experiments to be conducted in the same room, or even the same rack, at the same time.
- **Use of resources:** Leddy eliminates the need for additional space allocation and after-hours scheduling.

IMPROVED ANIMAL WELFARE & SCIENTIFIC OUTCOMES

- **Animal welfare:** Studies involving circadian rhythm are now possible inside the home cage eliminating the need to remove the cage from the rack to another room, thus reducing stress for the animals.
- **Standardization:** Intra-cage lighting with defined intensity and time cycles provides standardization for more reliable experiment results.

LEDDY is a product patented by Tecniplast #EP1207746B1 - US7044082B1

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