

Resource Summary Report

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A.M.P.I.: ISO-Flex isolator

RRID:SCR_018945

Type: Tool

Proper Citation

A.M.P.I.: ISO-Flex isolator (RRID:SCR_018945)

Resource Information

URL: <http://www.ampi.co.il/isoflex.html>

Proper Citation: A.M.P.I.: ISO-Flex isolator (RRID:SCR_018945)

Description: Flexible stimulus isolator since it is optically isolated. Unit can be switched to constant current or constant voltage. You can get bipolar pulses by connecting two isolators.

Synonyms: ISO-Flex, ISO-Flex- The Flexible Stimulus Isolator

Resource Type: instrument resource

Keywords: Stimulus isolator, flexible stimulus isolator, optically isolated, instrument, equipment

Availability: Restricted

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_018945.pdf

Resource Name: A.M.P.I.: ISO-Flex isolator

Resource ID: SCR_018945

Record Creation Time: 20220129T080342+0000

Record Last Update: 20260801T190626+0000

Ratings and Alerts

No rating or validation information has been found for A.M.P.I.: ISO-Flex isolator.

No alerts have been found for A.M.P.I.: ISO-Flex isolator.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Zaforas M, et al. (2024) Protocol for stimulating specific rodent limb receptive fields while recording in vivo somatosensory-evoked activity. STAR protocols, 5(2), 102972.

Bruentgens F, et al. (2024) The Lack of Synapsin Alters Presynaptic Plasticity at Hippocampal Mossy Fibers in Male Mice. eNeuro, 11(7).

Nayana J, et al. (2024) Repeated finasteride administration promotes synaptic plasticity and produces antidepressant- and anxiolytic-like effects in female rats. Journal of neuroscience research, 102(3), e25306.

Yaeger CE, et al. (2024) A dendritic mechanism for balancing synaptic flexibility and stability. Cell reports, 43(8), 114638.

Malgady JM, et al. (2023) Pathway-specific alterations in striatal excitability and cholinergic modulation in a SAPAP3 mouse model of compulsive motor behavior. Cell reports, 42(11), 113384.

Jørgensen AB, et al. (2022) μ -Opioid Receptor Activation Reduces Glutamate Release in the preBötzing Complex in Organotypic Slice Cultures. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(43), 8066.

Daniel Gómez C, et al. (2021) GABAergic Inhibition of Presynaptic Ca^{2+} Transients in Respiratory PreBötzing Neurons in Organotypic Slice Cultures. eNeuro, 8(4).

Subhadeep D, et al. (2021) Exposure to Short Photoperiod Regime Restores Spatial Cognition in Ventral Subicular Lesioned Rats: Potential Role of Hippocampal Plasticity, Glucocorticoid Receptors, and Neurogenesis. Molecular neurobiology, 58(9), 4437.

Salaka RJ, et al. (2021) Enriched environment ameliorates chronic temporal lobe epilepsy-induced behavioral hyperexcitability and restores synaptic plasticity in CA3-CA1 synapses in male Wistar rats. Journal of neuroscience research, 99(6), 1646.

Beed P, et al. (2020) Layer 3 Pyramidal Cells in the Medial Entorhinal Cortex Orchestrate Up-Down States and Entrain the Deep Layers Differentially. Cell reports, 33(10), 108470.