## **Resource Summary Report**

Generated by NIF on May 18, 2025

# 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

Funding:

Availability: Restricted

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

Resource ID: SCR\_018945

Record Creation Time: 20220129T080342+0000

Record Last Update: 20250420T014923+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: <u>SciCrunch Registry</u>

### **Usage and Citation Metrics**

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

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.

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 preBötzinger 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 Ca2+ Transients in Respiratory PreBötzinger 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 epilepsyinduced 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.