Resource Summary Report

Generated by RRID on Aug 7, 2026

McIlwain: Tissue Chopper

RRID:SCR_015798
Type: Tool

Proper Citation

McIlwain: Tissue Chopper (RRID:SCR_015798)

Resource Information

URL: https://campdeninstruments.com/products/mcilwain-tissue-chopper

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Description: Equipment for preparing samples of tissue for metabolic experiments that can also prepare small and irregular samples for biopsy or from small organs. It can perform rapid chopping of tissue without causing excessive stress damage.

Synonyms: Campden Instruments Inc. McIlwain Tissue Chopper

Resource Type: instrument resource

Keywords: instrument, hardware resource, research equipment, tissue slice, biomaterial, metabolic research, electrophysiology, immunology

Availability: Commercially available, Available for purchase

Specification URL: https://drive.google.com/file/d/1bnKE2oLjA-yMzXMsb7onWNw6pECY1SgS/view?usp=drivesdk

Resource Name: McIlwain: Tissue Chopper

Resource ID: SCR_015798

Alternate URLs:
https://lafayetteinstrument.com/downloads/manuals/McIlwain_manual.pdf

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260801T190521+0000

Ratings and Alerts

No rating or validation information has been found for McIlwain: Tissue Chopper.

No alerts have been found for McIlwain: Tissue Chopper.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Tomé AR, et al. (2026) The antidepressant-like effect of adenosine A1 receptor over-expression in forebrain neurons does not involve an altered adenosine-mediated control of excitatory synaptic transmission. Neuropharmacology, 298, 111056.

Rimawi I, et al. (2026) Paternal exposure to chlorpyrifos disrupts protein regulation and abolishes PKC? signaling in learning?related neural circuits. Neurotoxicology, 115, 103506.

Figuerola-Bou E, et al. (2025) KDM6 Demethylases Contribute to EWSR1::FLI1-Driven Oncogenic Reprogramming in Ewing Sarcoma. Cancer research, 85(22), 4485.

Valada P, et al. (2023) The impact of inosine on hippocampal synaptic transmission and plasticity involves the release of adenosine through equilibrative nucleoside transporters rather than the direct activation of adenosine receptors. Purinergic signalling, 19(2), 451.

Madeira D, et al. (2023) Astrocytic A2A receptors silencing negatively impacts hippocampal synaptic plasticity and memory of adult mice. Glia.

Coelho V, et al. (2022) Guanosine Prevents Spatial Memory Impairment and Hippocampal Damage Following Amyloid-?1-42 Administration in Mice. Metabolites, 12(12).

Lopes CR, et al. (2022) Impact of blunting astrocyte activity on hippocampal synaptic plasticity in a mouse model of early Alzheimer's disease based on amyloid-? peptide exposure. Journal of neurochemistry, 160(5), 556.

Hamnett R, et al. (2021) The Cell-Autonomous Clock of VIP Receptor VPAC2 Cells Regulates Period and Coherence of Circadian Behavior. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(3), 502.

Ohayon D, et al. (2021) Transcriptome profiling of the Olig2-expressing astrocyte subtype reveals their unique molecular signature. iScience, 24(7), 102806.

Aguirrebengoa M, et al. (2021) Purification of astrocyte subtype based on a double reporter mice approach for downstream transcription profiling. STAR protocols, 2(4), 101009.

Imig C, et al. (2020) Ultrastructural Imaging of Activity-Dependent Synaptic Membrane-Trafficking Events in Cultured Brain Slices. Neuron, 108(5), 843.

Moreira-de-Sá A, et al. (2020) Adenosine A2A receptors format long-term depression and memory strategies in a mouse model of Angelman syndrome. Neurobiology of disease, 146, 105137.

Shinozaki Y, et al. (2019) Microglial ROCK is essential for chronic methylmercury-induced neurodegeneration. Journal of neurochemistry, 151(1), 64.

Reis SL, et al. (2019) Adenosine A1 and A2A receptors differently control synaptic plasticity in the mouse dorsal and ventral hippocampus. Journal of neurochemistry, 151(2), 227.

Croft CL, et al. (2018) Preparation of organotypic brain slice cultures for the study of Alzheimer's disease. F1000Research, 7, 592.