Resource Summary Report

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Leica: VT1200S vibrating microtome

RRID:SCR_020243
Type: Tool

Proper Citation

Leica: VT1200S vibrating microtome (RRID:SCR_020243)

Resource Information

URL: https://www.leicabiosystems.com/histology-equipment/sliding-and-vibrating-blade-microtomes/vibrating-blade-microtomes/leica-vt1200-s/

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Description: Vibrating blade microtome for sectioning by Leica Biosystems used in neurophysiology, neuropathology, experimental pathology, botany. Fully automated Leica VT1200 S vibrating blade microtome for cutting fresh and fixed tissue in Neuroscience. To achieve sections of the highest quality that retain viable cells on the section surface, the vertical deflection of the blade can be measured by Leica's Vibrocheck measurement device and minimised with the blade holder. The instrument was designed in collaboration with Prof. Dr. Peter Jonas and his group at the Physiology Department, Freiburg Germany.

Resource Type: instrument resource

Keywords: Leica, automated vibrating blade microtome, Instrument Equipment, USEDit

Availability: Commercially available

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_020243.pdf

Resource Name: Leica: VT1200S vibrating microtome

Resource ID: SCR_020243

Alternate IDs: Model_Number_VT1200S

Record Creation Time: 20220129T080349+0000

Record Last Update: 20260808T190139+0000

Ratings and Alerts

No rating or validation information has been found for Leica: VT1200S vibrating microtome.

No alerts have been found for Leica: VT1200S vibrating microtome.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Engel D, et al. (2026) Protocol for whole-cell patch-clamp recording and post hoc identification of hippocampal CA2 pyramidal neurons in adult mouse brain slices. STAR protocols, 7(2), 104470.

Raguin J, et al. (2026) Human cerebral organoids with microglia and vasculature model glioma stem cell interactions and radiotherapy response. Cell reports methods, 6(6), 101425.

Maier MJ, et al. (2026) Protocol for fixation and staining of postmortem human brain tissue optimized for focused ion beam-scanning electron microscopy. STAR protocols, 7(1), 104301.

Zhang C, et al. (2026) Ccl12 coordinates immune-neural crosstalk to promote adipose sympathetic remodeling after burn trauma. Cell reports, 45(2), 116921.

Ding C, et al. (2026) Glioblastoma-Secreted C1QL1 Orchestrates Tumor Microtube Expansion and Neural Synaptic Pruning to Drive Malignant Synapse Formation and Recurrence. Cancer discovery, 16(6), 1176.

Craey E, et al. (2026) Feedback control of excitability and high K+ induced epileptiform bursts in male rat hippocampal slices with a photocaged adenosine A1 receptor agonist. British journal of pharmacology, 183(10), 2578.

Shen C, et al. (2025) Heterogeneity of Layer 1 Interneurons in the Mouse Medial Prefrontal Cortex. The Journal of comparative neurology, 533(3), e70030.

Laing BT, et al. (2025) Repetitive Grooming Behavior Following Aversive Stimulus Coincides with a Decrease in Anterior Hypothalamic Area Activity. eNeuro, 12(1).

Bearss RJ, et al. (2025) Activation of ionotropic and group I metabotropic glutamate receptors stimulates kisspeptin neuron activity in mice. Journal of neuroendocrinology, 37(1), e13456.

Miyasaka A, et al. (2025) Sequential transitions of male sexual behaviors driven by dual acetylcholine-dopamine dynamics. Neuron, 113(8), 1240.

Riggs LM, et al. (2025) Bioactive ketamine metabolite exerts in vivo neuroplastogenic effects to improve hippocampal function in a treatment-resistant depression model. Cell reports, 44(6), 115743.

Kang M, et al. (2025) Cd99l2 regulates excitatory synapse development and restrains immediate-early gene activation. Cell reports, 44(1), 115155.

Tyurikova O, et al. (2025) Astrocyte Kir4.1 expression level territorially controls excitatory transmission in the brain. Cell reports, 44(2), 115299.

Palchaudhuri S, et al. (2025) A posterior insula to lateral amygdala pathway transmits US-offset information with a limited role in fear learning. Cell reports, 44(2), 115320.

Cheung G, et al. (2024) Protocol for mapping cell lineage and cell-type identity of clonally-related cells in situ using MADM-CloneSeq. STAR protocols, 5(3), 103168.

Bobula B, et al. (2024) Maternal fluoxetine impairs synaptic transmission and plasticity in the medial prefrontal cortex and alters the structure and function of dorsal raphe nucleus neurons in offspring mice. Pharmacology, biochemistry, and behavior, 244, 173849.

Ardiles NM, et al. (2024) Increased forebrain EAAT3 expression confers resilience to chronic stress. Journal of neurochemistry.

Lynch N, et al. (2024) Identifying the Brain Circuits that Regulate Pain-Induced Sleep Disturbances. bioRxiv : the preprint server for biology.

Nascimento F, et al. (2024) Spinal microcircuits go through multiphasic homeostatic compensations in a mouse model of motoneuron degeneration. Cell reports, 43(12), 115046.

Magloire V, et al. (2023) Volume-transmitted GABA waves pace epileptiform rhythms in the hippocampal network. Current biology : CB, 33(7), 1249.