Resource Summary Report

Generated by RRID on Aug 6, 2026

Molecular Devices: MultiClamp 700B Microelectrode Amplifier

RRID:SCR_018455
Type: Tool

Proper Citation

Molecular Devices: MultiClamp 700B Microelectrode Amplifier (RRID:SCR_018455)

Resource Information

URL: https://www.moleculardevices.com/sites/default/files/en/assets/data-sheets/dd/cns/multiclamp-700b-microelectrode-amplifier.pdf

Proper Citation: Molecular Devices: MultiClamp 700B Microelectrode Amplifier (RRID:SCR_018455)

Description: Computer controlled amplifier for current clamp and voltage clamp applications from Molecular Devices, LLC. Amplifier used for electrophysiology and electrochemistry.

Synonyms: Multiclamp 700B

Resource Type: instrument resource

Keywords: Amplifier, computer controlled amplifier, current clamp, voltage clamp, Molecular Devices LLC, electrophysiology, electrochemistry, equipment, instrument

Availability: Restricted

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_018455.pdf

Resource Name: Molecular Devices: MultiClamp 700B Microelectrode Amplifier

Resource ID: SCR_018455

Alternate URLs: https://www.moleculardevices.com/sites/default/files/en/assets/data-sheets/dd/cns/multiclamp-700b-microelectrode-amplifier.pdf

Record Creation Time: 20220129T080340+0000

Record Last Update: 20260801T190621+0000

Ratings and Alerts

No rating or validation information has been found for Molecular Devices: MultiClamp 700B Microelectrode Amplifier.

No alerts have been found for Molecular Devices: MultiClamp 700B Microelectrode Amplifier.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 65 mentions in open access literature.

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

Lee D, et al. (2026) Microglial VRK2 Regulates Astrocytic GABA Synthesis and Tonic Inhibition in the Thalamus. Glia, 74(1), e70101.

Lee D, et al. (2026) Juvenile-to-adult refinement of thalamic reticular circuits via LRRTM3 enables high-resolution sensory encoding. Neuron, 114(7), 1219.

Keum D, et al. (2026) Changes in Action Potential Properties in the Ferret Prefrontal Cortex During Adolescence. The Journal of comparative neurology, 534(1), e70121.

Benfey NJ, et al. (2026) Norepinephrine acts through radial astrocytes in the developing optic tectum to enhance threat detection and escape behavior. Cell reports, 45(2), 116911.

Fan J, et al. (2026) Neto2 Phosphorylation Promotes Neuronal Loss in KA-Induced Epileptic Rat Hippocampus by Upregulating the Interaction with GluK2. Neurochemical research, 51(3).

D'Addario SL, et al. (2026) Effects of neuromelanin buildup in rodent nigral dopamine neurons: implications for sex-biased vulnerability in Parkinson's disease. Neurobiology of disease, 223, 107378.

Lascorz R, et al. (2026) Age-dependent axonal dysfunctions and altered sharp-wave ripple oscillations in Scn1a +/- mice. iScience, 29(8), 116784.

Kolling LJ, et al. (2025) The superficial tufted and mitral cell output neurons of the mouse olfactory bulb have dual roles in insulin sensing. Journal of cell science, 138(19).

Chen L, et al. (2025) Motor cortical neuronal hyperexcitability associated with ??-synuclein aggregation. NPJ Parkinson's disease, 11(1), 18.

Ikefuama EC, et al. (2025) Presymptomatic targeted circuit manipulation for ameliorating Huntington's disease pathogenesis. iScience, 28(3), 112022.

Tian J, et al. (2025) Gpr176 modulates the firing pattern of parvalbumin-positive interneurons in the orbitofrontal cortex of mouse. Molecular brain, 18(1), 81.

Lee CR, et al. (2025) Separable dorsal raphe dopamine projections mimic the facets of a loneliness-like state. eLife, 14.

Kolling LJ, et al. (2025) The superficial tufted and mitral cell output neurons of the mouse olfactory bulb have dual roles in insulin sensing. bioRxiv : the preprint server for biology.

Springer K, et al. (2025) Mislocalization of KCNQ2 Channels as a Pathogenic Mechanism in KCNQ2 Developmental and Epileptic Encephalopathy. The Journal of neuroscience : the official journal of the Society for Neuroscience.

Zheng D, et al. (2025) Neural mechanism of the sexually dimorphic winner effect in mice. Neuron, 113(24), 4217.

Singhal SM, et al. (2025) Mu-opioid receptor activation potentiates excitatory transmission at the habenulo-peduncular synapse. Cell reports, 44(7), 115874.

Paz RM, et al. (2025) Repetitive Levodopa Treatment Drives Cell Type-Specific Striatal Adaptations Associated With Progressive Dyskinesia in Parkinsonian Mice. bioRxiv : the preprint server for biology.

Cano JC, et al. (2025) Newly generated striatal neurons rescue motor circuitry in a Huntington's disease mouse model. Cell reports, 44(4), 115440.

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

Contini D, et al. (2024) Simultaneous recordings from vestibular Type I hair cells and their calyceal afferents in mice. Frontiers in neurology, 15, 1434026.