

Resource Summary Report

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Heka Elektronik EPC 10 USB Patch Clamp Amplifier

RRID:SCR_018399

Type: Tool

Proper Citation

Heka Elektronik EPC 10 USB Patch Clamp Amplifier (RRID:SCR_018399)

Resource Information

URL: https://www.heka.com/products/products_main.html#physiol_epc10multi

Proper Citation: Heka Elektronik EPC 10 USB Patch Clamp Amplifier (RRID:SCR_018399)

Description: Electrophysiology patch clamp amplifier for collecting electrical signals from tissues and cells. Can be controlled via USB. Designed and manufactured by HEKA Elektronik.

Synonyms: EPC 10 USB Double, EPC 10 USB Patch Clamp Amplifier, EPC 10/n USB Patch Clamp Amplifier

Resource Type: instrument resource

Keywords: Amplifier, patch clamp, HEKA, EPC 10, instrument, equipment, Heka Elektronik, Patch Clamp Amplifier, USEDit

Funding:

Availability: Restricted

Resource Name: Heka Elektronik EPC 10 USB Patch Clamp Amplifier

Resource ID: SCR_018399

Alternate IDs: SCR_020008, Model_Number_EPC 10

Alternate URLs: http://www.heka.com/downloads/hardware/manual/m_epc10.pdf,
https://www.heka.com/downloads/hardware/manual/m_epc10.pdf

Record Creation Time: 20220129T080340+0000

Record Last Update: 20250420T014905+0000

Ratings and Alerts

No rating or validation information has been found for Heka Elektronik EPC 10 USB Patch Clamp Amplifier.

No alerts have been found for Heka Elektronik EPC 10 USB Patch Clamp Amplifier.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

García-Ávila M, et al. (2024) Permeant cations modulate pore dynamics and gating of TRPV1 ion channels. The Journal of general physiology, 156(1).

Maltsev DI, et al. (2024) Human TRPV1 is an efficient thermogenetic actuator for chronic neuromodulation. Cellular and molecular life sciences : CMLS, 81(1), 437.

Thoreson WB, et al. (2023) EAAT5 glutamate transporter rapidly binds glutamate with micromolar affinity in mouse rods. The Journal of general physiology, 155(9).

Kintscher M, et al. (2023) A striatal circuit balances learned fear in the presence and absence of sensory cues. eLife, 12.

Hussein RA, et al. (2023) Selenomethionine mis-incorporation and redox-dependent voltage-gated sodium channel gain of function. Journal of neurochemistry, 167(2), 262.

Held K, et al. (2022) Pharmacological properties of TRPM3 isoforms are determined by the length of the pore loop. British journal of pharmacology, 179(14), 3560.

Fournel R, et al. (2022) Digital reconstruction and quantitative morphometric analysis of bipolar cells in live rat retinal slices. The Journal of comparative neurology, 530(10), 1700.

Wang Y, et al. (2022) Scutellarein attenuates atopic dermatitis by selectively inhibiting transient receptor potential vanilloid 3 channels. British journal of pharmacology, 179(20), 4792.

Lipstein N, et al. (2021) Munc13-1 is a Ca^{2+} -phospholipid-dependent vesicle priming hub that shapes synaptic short-term plasticity and enables sustained neurotransmission. *Neuron*, 109(24), 3980.

Beekhof GC, et al. (2021) Differential spatiotemporal development of Purkinje cell populations and cerebellum-dependent sensorimotor behaviors. *eLife*, 10.

Fleck D, et al. (2021) ATP activation of peritubular cells drives testicular sperm transport. *eLife*, 10.

Kruse M, et al. (2021) Control of Neuronal Excitability by Cell Surface Receptor Density and Phosphoinositide Metabolism. *Frontiers in pharmacology*, 12, 663840.

Owen B, et al. (2021) Excitatory synaptic transmission in hippocampal area CA1 is enhanced then reduced as chronic epilepsy progresses. *Neurobiology of disease*, 154, 105343.

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