

# Resource Summary Report

Generated by [dkNET](#) on Aug 20, 2026

## 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](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

**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](http://www.heka.com/downloads/hardware/manual/m_epc10.pdf), [https://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:** 20260815T182551+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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 25 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [dkNET](#) .

Cordeiro S, et al. (2026) Natural xanthonones as  $\gamma$ -Mangostin induce vasorelaxation involving key gating residues in the S6 domain of BK channels. *eLife*, 14.

Sindoni M, et al. (2026) Piezo2 tension sensitivity and its modulation by alternative splicing. *bioRxiv : the preprint server for biology*.

Sindoni M, et al. (2026) Piezo2 tension sensitivity and its modulation by alternative splicing. *Cell reports*, 45(6), 117521.

Wu XS, et al. (2026) NSF is required for diverse endocytic modes by promoting fusion and fission pore closure in secretory cells. *iScience*, 29(5), 115510.

Lin KH, et al. (2025) Number and relative abundance of synaptic vesicles in functionally distinct priming states determine synaptic strength and short-term plasticity. *The Journal of physiology*.

Heller DT, et al. (2025) Pre-Sensory Spontaneous Activity Accelerates Coordinated Maturation of Synaptic Partners and Drives Transition to the Mature Physiological Phenotype. *bioRxiv : the preprint server for biology*.

Thoreson WB, et al. (2025) The architecture of invaginating rod synapses slows glutamate diffusion and shapes synaptic responses. *The Journal of general physiology*, 157(3).

Segura-Covarrubias G, et al. (2025) Structural basis of GluK2 kainate receptor activation by a partial agonist. *Nature structural & molecular biology*, 32(8), 1456.

Palchoudhuri 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.

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

Sokolov R, et al. (2024) Hyaluronidase-induced matrix remodeling contributes to long-term synaptic changes. *Frontiers in neural circuits*, 18, 1441280.

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

Midorikawa M, et al. (2024) Developmental refinement of the active zone nanotopography and axon wiring at the somatosensory thalamus. Cell reports, 43(10), 114770.

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

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

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

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.

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.

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.

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