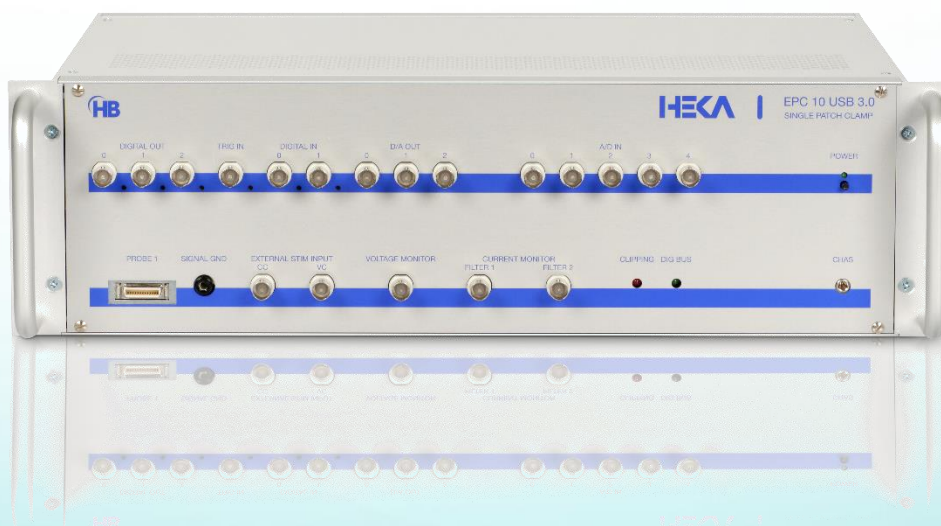




An Affiliate of Harvard Bioscience, Inc.

应用及论文精选

神经肌肉接头与神经肌肉疾病、听觉系统
 β 细胞与糖尿病、植物生理学



DSI™

biochrom

BTX®

cm

HA Harvard Apparatus

multichannel* systems

kdScientific

HEKA

HSE HUGO SACHS ELEKTRONIK

Panlab

WARNER INSTRUMENTS

Affiliates of Harvard Bioscience, Inc.

HEKA膜片钳解决方案在科学研究中的应用

- HEKA于1982年推出首款膜片钳放大器。此后，HEKA放大器已被引用近12,000次，其中，单EPC 10型号就被引用了近8,000次。
- Warner的活细胞成像、电生理和膜片钳研究配件已被引用大约50,000次。
- 本文件仅提供近期发表的少量论文示例，论证HEKA膜片钳解决方案的应用场景。

其他应用

神经肌肉接头与神经肌肉疾病

- Morgenstern, T.J. et al. Selective posttranslational inhibition of CaV β 1-associated voltage-dependent calcium channels with a functionalized nanobody. *Nat Commun*;13(1):7556 (2022).
<https://doi.org/10.1038/s41467-022-35025-7>

听觉系统

- Qiu, X. et al. The tetraspan LHFPL5 is critical to establish maximal force sensitivity of the mechanotransduction channel of cochlear hair cells. *Cell Rep*; 42(3):112245 (2023).
<https://doi.org/10.1016/j.celrep.2023.112245>

β 细胞与糖尿病

- Becker, A. et al. Cav β 3 Regulates Ca $^{2+}$ Signaling and Insulin Expression in Pancreatic β -Cells in a Cell-Autonomous Manner. *Diabetes*; 70(11):2532-2544 (2021).
<https://doi.org/10.2337/db21-0078>

植物生理学

- Hashimoto, K, et al. Functional Analyses of the Two Distinctive Types of Two-Pore Channels and the Slow Vacuolar Channel in *Marchantia polymorpha*. *Plant Cell Physiol*; 63(2):163-175 (2022).
<https://doi.org/10.1093/pcp/pcab176>



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