

Resource Summary Report

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BioSigRZ

RRID:SCR_014820

Type: Tool

Proper Citation

BioSigRZ (RRID:SCR_014820)

Resource Information

URL: <http://www.tdt.com/biosigrz.html>

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Description: RZ6 processor tool designed for rapid animal screening. It automates the process of presenting stimulus signals and averaging response signal data. It automates the process of presenting stimulus signals and averaging response signal data by giving users control over the stimulus signal parameters used to generate stimuli that vary across successive presentations., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: BioSigRZ - ABR and DPOAE Screening

Resource Type: data acquisition software, software application, data processing software, software resource

Keywords: rz6, animal screen, stimulus, stimuli, response, signal

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: BioSigRZ

Resource ID: SCR_014820

Record Creation Time: 20220129T080322+0000

Record Last Update: 20260801T190738+0000

Ratings and Alerts

No rating or validation information has been found for BioSigRZ.

No alerts have been found for BioSigRZ.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 190 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#).

Tan J, et al. (2025) Placode and neural crest origins of congenital deafness in mouse models of Waardenburg-Shah syndrome. *iScience*, 28(1), 111680.

Berns MP, et al. (2025) Auditory decision-making deficits after permanent noise-induced hearing loss. *Scientific reports*, 15(1), 2104.

Xu S, et al. (2025) Innovative treatment of age-related hearing loss using MSCs and EVs with Apelin. *Cell biology and toxicology*, 41(1), 31.

Zhao Z, et al. (2025) Blood-labyrinth barrier damage mediated by granzymes from cytotoxic lymphocytes results in hearing loss in systemic lupus erythematosus. *Proceedings of the National Academy of Sciences of the United States of America*, 122(33), e2423240122.

Wei G, et al. (2025) Single Administration of AAV-mAtp6v1b2 Gene Therapy Rescues Hearing and Vestibular Disorders Caused by Atp6v1b2-Induced Lysosomal Dysfunction in Hair Cells. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(29), e2408878.

Zhang H, et al. (2025) Koller's Organ Functions as a Developmental Hub in Mouse Cochlea Regulating Spiral Limbus and Tectorial Membrane Development. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(13).

Guan L, et al. (2025) The role of HDAC11 in age-related hearing loss: Mechanisms and therapeutic implications. *Open life sciences*, 20(1), 20251086.

Ren L, et al. (2025) Multicargo Porous Cochlear Electrode Coating for Antifibrosis After Cochlear Implantation. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(21), e2412158.

Dang J, et al. (2025) Impact of POU3F4 mutation on cochlear development and auditory function. *Cell communication and signaling : CCS*, 23(1), 121.

Xia R, et al. (2025) Therapeutic restoration of miR-96 prevents hearing loss in mice through modulation of noise-induced and genetic pathways. *iScience*, 28(5), 112355.

Belyantseva IA, et al. (2025) Taperin bundles F-actin at stereocilia pivot points enabling optimal lifelong mechanosensitivity. *The Journal of cell biology*, 224(8).

Chou TL, et al. (2025) I can't hear you: effects of noise on auditory processing in mixed-species flocks. *The Journal of experimental biology*, 228(10).

Aydin AG, et al. (2025) Sound-evoked auditory neurophysiological signals are a window into prodromal functional differences in a preclinical model of Alzheimer's Disease. *bioRxiv* : the preprint server for biology.

Ai J, et al. (2025) Small Extracellular Vesicles Orchestrate Cisplatin-Induced Ototoxicity: Potential Biomarker and Targets Discovery. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(30), e02627.

Gawande DY, et al. (2025) Genetic polymorphisms in human CX3CR1-mediated macrophage dysregulation are associated with the worsening of hearing loss and cochlear degeneration after noise trauma: a study in a humanized mouse model. *Journal of neuroinflammation*, 22(1), 204.

Hu SW, et al. (2025) PAM-flexible adenine base editing rescues hearing loss in a humanized MPZL2 mouse model harboring an East Asian founder mutation. *Nature communications*, 16(1), 7186.

Moreland ZG, et al. (2025) Myosin-based nucleation of actin filaments contributes to stereocilia development critical for hearing. *Nature communications*, 16(1), 947.

Giese APJ, et al. (2025) Complexes of vertebrate TMC1/2 and CIB2/3 proteins form hair-cell mechanotransduction cation channels. *eLife*, 12.

Fry LE, et al. (2025) Comparison of CRISPR-Cas13b RNA base editing approaches for USH2A-associated inherited retinal degeneration. *Communications biology*, 8(1), 200.

Attanasio C, et al. (2025) Morphological phenotyping of the aging cochlea in inbred C57BL/6N and outbred CD1 mouse strains. *Aging cell*, 24(1), e14362.