

Resource Summary Report

Generated by PRECISE-TBI on Aug 24, 2026

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, data processing software, software application, 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: 20260821T194029+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 [PRECISE-TBI](#) .

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.

Zhang H, et al. (2025) K⁺ channel'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).

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

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.

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

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

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.

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*.

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.

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).

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

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

Chen X, et al. (2025) Tranylcypromine upregulates Sestrin 2 expression to ameliorate NLRP3-related noise-induced hearing loss. *Neural regeneration research*, 20(5), 1483.

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.

Giese APJ, et al. (2025) CIB2 function is distinct from that of whirlin in the organization of stereocilia architecture. *Disease models & mechanisms*, 18(3).

Manickam V, et al. (2025) Paving the way for better ototoxicity assessments in cisplatin therapy using more reliable animal models. *Frontiers in cellular neuroscience*, 19, 1552051.

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. *Research square*.

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.

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