

# Resource Summary Report

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## Tucker-Davis Technologies

RRID:SCR\_006495

Type: Tool

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### Proper Citation

Tucker-Davis Technologies (RRID:SCR\_006495)

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### Resource Information

**URL:** <http://www.tdt.com/>

**Proper Citation:** Tucker-Davis Technologies (RRID:SCR\_006495)

**Description:** Commercial organization that provides products for basic and applied research in the neurophysiology, hearing, and speech sciences as well as for general data acquisition applications. It offers a complete line of modular DSP-based data acquisition and stimulus generation systems, ranging in complexity from a simple audio stimulator to a complete multichannel sensory and behavioral neurophysiology system for awake, behaving subjects.

**Abbreviations:** TDT

**Synonyms:** Tucker-Davis Technologies (TDT)

**Resource Type:** commercial organization

**Keywords:** neurophysiology, evoked potential, psychoacoustics, data acquisition, virtual acoustics, bioacoustics, hearing, speech, stimulus, audio, sensory, behavior

**Resource Name:** Tucker-Davis Technologies

**Resource ID:** SCR\_006495

**Alternate IDs:** rid\_000061, grid.421888.f

**Alternate URLs:** <https://ror.org/0014wkh93>

**Record Creation Time:** 20220129T080236+0000

**Record Last Update:** 20260801T190313+0000

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### Ratings and Alerts

No rating or validation information has been found for Tucker-Davis Technologies.

No alerts have been found for Tucker-Davis Technologies.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 68 mentions in open access literature.

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

Yonk AJ, et al. (2025) Role of posterior medial thalamus in the modulation of striatal circuitry and choice behavior. *eLife*, 13.

Tong C, et al. (2025) Norepinephrine-mediated arousal fluctuations drive inverted U-shaped functional connectivity dynamics. *Nature communications*, 16(1), 11318.

Pal I, et al. (2025) Female mice lacking GluA3 show early onset of hearing loss, cochlear synaptopathy, and afferent terminal swellings in ambient sound levels. *iScience*, 28(2), 111799.

Mergan E, et al. (2025) Fast face-selective responses in prefrontal face patches of the macaque. *Cell reports*, 44(3), 115389.

Faget L, et al. (2024) Ventral pallidum GABA and glutamate neurons drive approach and avoidance through distinct modulation of VTA cell types. *Nature communications*, 15(1), 4233.

Squarcio F, et al. (2024) Effects of non-rapid eye movement sleep on the cortical synaptic expression of GluA1-containing AMPA receptors. *The European journal of neuroscience*, 60(2), 3961.

Salehi S, et al. (2024) Spatiotemporal hierarchies of face representation in the human ventral temporal cortex. *Scientific reports*, 14(1), 26501.

Lazar A, et al. (2024) Paying attention to natural scenes in area V1. *iScience*, 27(2), 108816.

Shmal D, et al. (2024) Restoring vision in adult amblyopia by enhancing plasticity through deletion of the transcriptional repressor REST. *iScience*, 27(4), 109507.

Choi A, et al. (2024) Circuit mechanism underlying fragmented sleep and memory deficits in 16p11.2 deletion mouse model of autism. *iScience*, 27(12), 111285.

Smith J, et al. (2024) Regulation of stress-induced sleep fragmentation by preoptic glutamatergic neurons. *Current biology : CB*, 34(1), 12.

Lemke SM, et al. (2024) Information flow between motor cortex and striatum reverses during skill learning. *Current biology : CB*, 34(9), 1831.

Faget L, et al. (2023) Ventral pallidum GABA and glutamate neurons drive approach and avoidance through distinct modulation of VTA cell types. *bioRxiv : the preprint server for biology*.

Gyawali U, et al. (2023) Dopamine in the dorsal bed nucleus of stria terminalis signals Pavlovian sign-tracking and reward violations. *eLife*, 12.

Barker DJ, et al. (2023) Lateral preoptic area glutamate neurons relay nociceptive information to the ventral tegmental area. *Cell reports*, 42(9), 113029.

Papale P, et al. (2023) The representation of occluded image regions in area V1 of monkeys and humans. *Current biology : CB*, 33(18), 3865.

Sotelo MI, et al. (2022) Lateral hypothalamic neuronal ensembles regulate pre-sleep nest-building behavior. *Current biology : CB*, 32(4), 806.

Morel C, et al. (2022) Midbrain projection to the basolateral amygdala encodes anxiety-like but not depression-like behaviors. *Nature communications*, 13(1), 1532.

Westerberg JA, et al. (2022) Laminar microcircuitry of visual cortex producing attention-associated electric fields. *eLife*, 11.

Zhou YP, et al. (2022) A congenital CMV infection model for follow-up studies of neurodevelopmental disorders, neuroimaging abnormalities, and treatment. *JCI insight*, 7(1).