

# Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

## Rodent Operant Bucket project

RRID:SCR\_021565

Type: Tool

### Proper Citation

Rodent Operant Bucket project (RRID:SCR\_021565)

### Resource Information

**URL:** <https://edspace.american.edu/openbehavior/project/robucket/>

**Proper Citation:** Rodent Operant Bucket project (RRID:SCR\_021565)

**Description:** Portal for open source operant chamber, based on Arduino microcontroller platform, that can be used to train mice to respond for reward. Designed by NIDDK scientists. Apparatus contains two nose pokes, drinking well, and solenoid controlled sucrose delivery system. Chamber can run magazine training, fixed ratio and progressive ratio training schedules, and can be programmed to run more complicated behavioral paradigms.

**Synonyms:** Rodent Operant Bucket, ROBucket

**Resource Type:** data or information resource, instrument resource, portal, project portal

**Defining Citation:** [DOI:10.3758/s13428-015-0603-2](https://doi.org/10.3758/s13428-015-0603-2)

**Keywords:** Instrument, operant chamber, Arduino microcontroller platform, train mice, reward respond, OpenBehavior

**Availability:** Free, Freely available

**Resource Name:** Rodent Operant Bucket project

**Resource ID:** SCR\_021565

**Record Creation Time:** 20220129T080356+0000

**Record Last Update:** 20260905T132942+0000

### Ratings and Alerts

No rating or validation information has been found for Rodent Operant Bucket project.

No alerts have been found for Rodent Operant Bucket project.

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## Data and Source Information

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.