

Resource Summary Report

Generated by T1D on Aug 1, 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: project portal, data or information resource, portal, instrument resource

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: 20260801T042840+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.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.