## **Resource Summary Report**

Generated by RRID on May 21, 2025

# **TriKinetics Drosophila Activity Monitoring System**

RRID:SCR\_021798

Type: Tool

## **Proper Citation**

TriKinetics Drosophila Activity Monitoring System (RRID:SCR\_021798)

#### **Resource Information**

URL: https://www.trikinetics.com/

**Proper Citation:** TriKinetics Drosophila Activity Monitoring System (RRID:SCR\_021798)

**Description:** System from TriKinetics for monitoring Drosophila activity. Includes hardware and DAMSystem3 Software for data acquision and DAMFileScan Software for scanning data for errors. Applied to behavioral activity experiments, including sleep deprivation analyses and general studies of hypoactivity and hyperactivity.

**Synonyms:** Drosophila Activity Monitoring System, DAM, DAM System, Drosophila Activity

Monitor

Resource Type: instrument resource

**Defining Citation:** DOI:10.1101/pdb.prot5518

Keywords: monitoring Drosophila activity, behavioral activity experiment, behavioral activity,

activity monitoring

**Funding:** 

Availability: Restricted

Resource Name: TriKinetics Drosophila Activity Monitoring System

Resource ID: SCR\_021798

Record Creation Time: 20220129T080357+0000

Record Last Update: 20250519T204306+0000

## **Ratings and Alerts**

No rating or validation information has been found for TriKinetics Drosophila Activity Monitoring System.

No alerts have been found for TriKinetics Drosophila Activity Monitoring System.

### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 9 mentions in open access literature.

**Listed below are recent publications.** The full list is available at RRID.

Czajewski I, et al. (2024) Rescuable sleep and synaptogenesis phenotypes in a Drosophila model of O-GlcNAc transferase intellectual disability. eLife, 13.

Yan W, et al. (2024) Microplastic exposure disturbs sleep structure, reduces lifespan, and decreases ovary size in Drosophila melanogaster. Zoological research, 45(4), 805.

Yan W, et al. (2023) Subtype-Specific Roles of Ellipsoid Body Ring Neurons in Sleep Regulation in Drosophila. The Journal of neuroscience: the official journal of the Society for Neuroscience, 43(5), 764.

Iyengar AS, et al. (2023) A Subset of Circadian Neurons Expressing dTRPA1 Enables Appropriate Phasing of Activity Rhythms in Drosophila melanogaster Under Warm Temperatures. Journal of biological rhythms, 38(4), 341.

Murari A, et al. (2023) Phospholipids can regulate complex I assembly independent of their role in maintaining mitochondrial membrane integrity. Cell reports, 42(8), 112846.

Chaturvedi R, et al. (2022) Astrocytic GABA transporter controls sleep by modulating GABAergic signaling in Drosophila circadian neurons. Current biology: CB, 32(9), 1895.

lyengar AS, et al. (2022) Under warm ambient conditions, Drosophila melanogaster suppresses nighttime activity via the neuropeptide pigment dispersing factor. Genes, brain, and behavior, 21(4), e12802.

Ko T, et al. (2022) Biogenic action of Lactobacillus plantarum SBT2227 promotes sleep in Drosophila melanogaster. iScience, 25(7), 104626.

Wang QP, et al. (2020) PGC1? Controls Sucrose Taste Sensitization in Drosophila. Cell reports, 31(1), 107480.