

Feb 08, 2024

Open Field

DOI

<https://dx.doi.org/10.17504/protocols.io.kxygx3dbog8j/v1>

daniel.dautan^{1,2}, Per Svenningsson^{1,2}

¹Department of Clinical Neuroscience, Karolinska Institutet, 171 76 Stockholm, Sweden;

²Aligning Science Across Parkinson's (ASAP) Collaborative Research Network, Chevy Chase, MD 20815, USA



Jacquelyn Haytayan

Weill Cornell Medicine

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Protocol Citation: daniel.dautan , Per Svenningsson 2024. Open Field. **protocols.io**

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Protocol status: Working

We use this protocol and it's working



Created: February 08, 2024

Last Modified: September 23, 2024

Protocol Integer ID: 94932

Keywords: ASAPCRN, behavior, motor, general locomotion in mice, mice, general locomotion, open field behavioral

Funders Acknowledgements:

Aligning Science Across Parkinson's

Grant ID: 020608

Abstract

Behavioral assay for general locomotion in mice.

Materials

- Open field arenas: 40 × 40 dark box
- Recording camera
- Ethovision XT v11



- 1 Habituate naive mice to the room for  01:00:00 . 1h
- 2 Transfer each mouse to a custom 40 cm x 40 cm dark box, with a clear floor and a light suspended on the center of the apparatus.
- 3 Test duration was set at  00:20:00 . 20m
- 4 After each test and between each group, clean apparatus thoroughly with 50% ethanol followed by water.
- 5 **Analysis:**
 - Center of open field is defined by the space located at least 5 cm from any given wall.
 - Time in the center, distance travelled, and average speed is obtained by the built-in functions of the tracking software Ethovision XT11.