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Open Field Protocol

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Protocol status: Working

We use this protocol and it's working

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Abstract

This protocol details about Open Field procedure.

Attachments



[452-957.docx](#)

16KB

Guidelines

Detailed records should be kept on every experiment, noting date, timing, subject test order, procedural details followed and any relevant observations pertaining to the assay (e.g. specific behavior or procedural errors).



Set up

- 1 20 × 20 × 10 inch chamber (LxWxH).
- 2 Opaque chambers or dividers between chambers.
- 3 Light intensity = 250 lux.
- 4 Have chambers on enclosed rack to diminish outside light.

Test

30m

- 5 AnyMaze
- 5.1 Set two zones in the chamber. Outer ~3.5 inch perimeter of box is one zone and the center of the maze is the other zone.
- 6 Record locomotor activity and track how much time the animal spends in each zone for  00:30:00 .
- 7 Wipe down chambers with ethanol between animals.
- 8 Run males before females if running both genders on same day.
- 9 Can be used as a simple locomotion test by tracking the distance traveled and speed.
- 10 Can also be used as an anxiety test. Less anxious animals will spend more time in the center of the maze.

30m