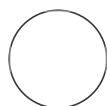




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Open Field test to assess spontaneous locomotion behavior in parkinsonian mice

Zachary

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Protocol status: Working
We use this protocol and it's working

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ABSTRACT

The Open Field task is a simple sensorimotor test used to determine general activity levels, gross locomotor activity, and exploration habits in rodent models of CNS disorders.

MATERIALS

- Square, white Plexiglas box
- Overhead camera.

Open Field Test


1d

- 1 Total duration: 1 day


1d

Protocol

1h 5m

- 2 Place the animal cage in the testing room to allow the animals to acclimate.  01:00:00

1h
- 3 Place the animal in the testing boxes. The animals are transferred to the center of a 40cm by 40cm box in the quiet dark room.

5m
- 4 Video record and record freely moving behavior in the testing cage.  00:05:00

5m
- 5 Return the mouse to its cage.

1m

Analysis

- 6 The footage is then analyzed by an automated tracking system for the following parameters: distance moved, velocity, and time spent in pre-defined zones.