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Elevated body swing test in rats

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Protocol status: Working

We use this protocol and it's working

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ASAP (Aligning Science Across Parkinson's)

Abstract

Protocol for performing the elevated body swing test in rats. The elevated body swing evaluates motor asymmetry in body swings when the rat is briefly hanged by the tail, and can be used in animal models with unilateral lesions of the nigrostriatal dopaminergic pathway.

Troubleshooting



Test

1h 0m 5s

- 1 Bring cages to the behavioral room for at least  01:00:00 prior to the test for habituation 1h
- 2 Place rat individually in a new cage
- 3 Wait until attains neutral position with all four limbs touching the bottom of the cage
- 4 Lift vertically by the base of the tail
- 5 Record the first direction of body deviation away from the vertical axis of 30 degree during a maximum  00:00:05 interval 5s
- 6 Repeat the test five times, with a brief rest in between