

FEB 12, 2024

OPEN BACCESS



DOI:

dx.doi.org/10.17504/protocols.io. 5qpvo3zo9v4o/v1

Protocol Citation: eduard.bente a, María Sanchiz Calvo, Veerle Baekelandt 2024. Rotarod test in rats. **protocols.io** https://dx.doi.org/10.17504/protoc ols.io.5qpvo3zo9v4o/v1

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

Created: Feb 05, 2024

Rotarod test in rats

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ABSTRACT

Protocol for performing the rotarod test in rats. This test evaluated motor coordination and balance, and can be used in rat models with motor deficits, such as models of Parkison's disease. Rats with impaired motor function show a decreased latency to fall from the rotating rod.



Last Modified: Feb 12, 2024

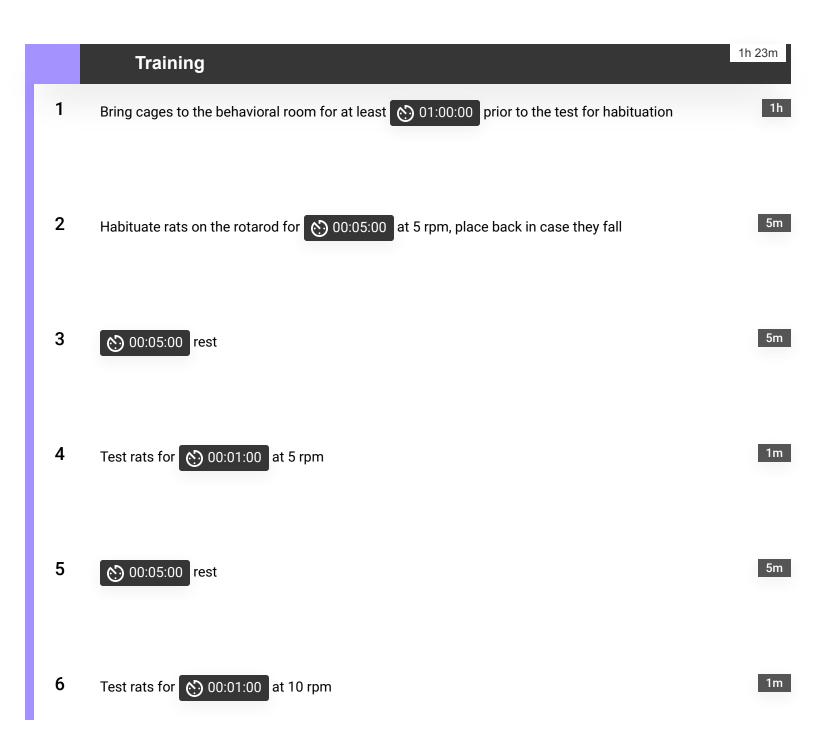
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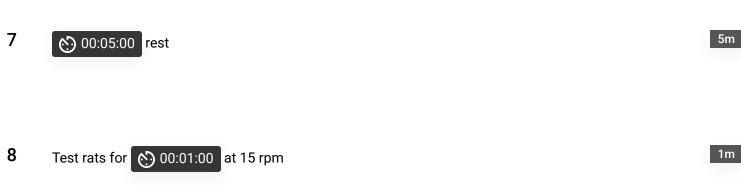
Keywords: ASAPCRN, motor function, behavioral test, rats

Funders Acknowledgement:

ASAP (Aligning Science Across

Parkinson's)





1m 1h 25m Baseline One day after training, perform baseline measurements 9 10 Bring cages to the behavioral room for at least 01:00:00 prior to the test for habituation 11 5m Test rats at 4-40 rpm for a total duration of 00:05:00 12 5m © 00:05:00 rest 13 5m

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14 (5) 00:05:00 rest

Test rats at 4-40 rpm for a total duration of © 00:05:00

5m

Test

1h 25m

1h

- At different timepoints during the experiment, evaluate changes in motor performance using the same protocol as during baseline
- Bring cages to the behavioral room for at least 01:00:00 prior to the test for habituation
- Test rats at 4-40 rpm for a total duration of 00:05:00
- 19 © 00:05:00 rest 5m
- Test rats at 4-40 rpm for a total duration of 00:05:00
- 21 (5) 00:05:00 rest 5m

Test rats at 4-40 rpm for a total duration of 00:05:00

5m