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Rotarod (40 RPM and 20 RPM with docking) V.1

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

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Abstract

This protocol describes motor function testing in mice using the rotarod by the Svenningsson lab.

Two options for the protocol are included: 1) 40 RPM constant speed after habituation and 2) 20 RPM with docking.

Materials

Mouse Rotarod (Ugo Basile 47650)
50% ethanol

Troubleshooting

1 Naive mice were placed in groups of 5 on the rotatord (Ugo Basile 47650) for 2-3 minutes for habituation.

2 Following habituation, the rotarod program was initiated and lasted for a maximum of 2 minutes.

STEP CASE

40 RPM 4 steps

3 Following habituation, the rotarod program was initiated for 40 RPM and lasted for a maximum of 2 minutes.

4 The time to fall as defined with the moment the mice fall in the receptacle or the moment the mice turn around the rotor more than 5 consecutive times was selected.

5 The apparatus was thus cleaned thoroughly between each group with 50% ethanol followed by water.

6 The test was repeated 3 times with at least 6h between each trial.