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

Rotarod (40 RPM and 20 RPM with docking) V.2

daniel.dautan daniel¹, Per Svenningsson¹

¹Karolinska Institute Stockholm

ASAP Collaborative Research Network

Kaplitt Protocols



Eileen Ruth Torres
Weill Cornell Medicine

ABSTRACT

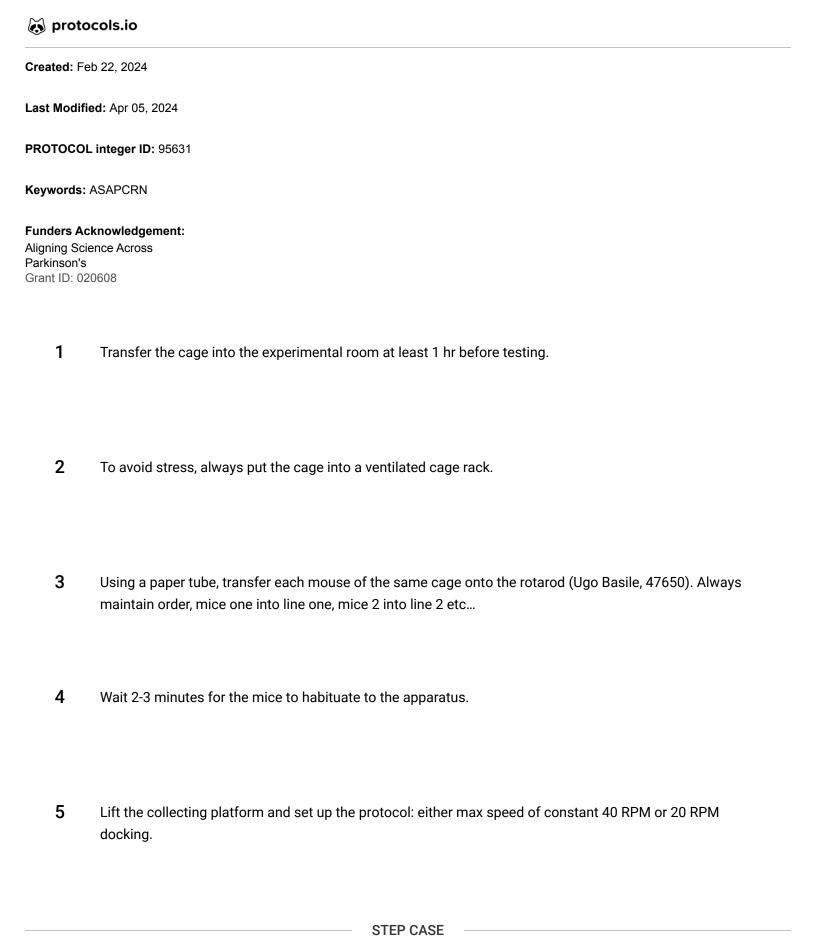
This protocol describes motor function testing in mice using the rotarod by the Svenningsson lab.

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

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40 RPM 4 steps

- **6** Following habituation, start the rotarod program to reach a speed of 40 RPM within the first 5s of the protocol.
- 7 The time to fall is defined as the moment the mice fall in the receptacle or the moment the mice turn around the rotor more than 5 consecutive times. The maximum trial length is 2 min.
- Repeat the experiment 3 times with at least 6 hr between each trial. If an animal does not fall or turn more than 5 times within 120s of the trial, stop the trial and record "120" as the individual time.
- 9 Analyze for each mouse, the time to fall for each session, the average and and max time.