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We use this protocol and it's working

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Descending Platform

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ABSTRACT

Behavioral test to assess motor function.

MATERIALS

Horizontal grid: 0.5cm space between grid, 45cm long x 5cm wide (Custom made)
Clean cage

Keywords: ASAPCRN, behavior, motor

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1 Place the custom-made horizontal grid (0.5cm space between grid, 45cm long, 5cm wide) to have an angle of 45 degrees with the floor.

2 A clean cage was placed at the bottom of the grid.

3 Place a camera on top of the grid to allow recording of the time to descend.

4 Naïve mice were placed on the horizontal end of the grid and gently pushed to descend the grid towards the cage.

5 Quantification:

- Time to descend the first and second half of the grid
- Using the video and a proper scale, the distance between the hindlimbs of the mice was determined at 5 randomly selected frames and used as average.