



JAN 30, 2024

🌐 Open field test

📁 In 1 collection

mariangela.massarocenere^{1,2,3}

¹Department of Experimental Neuroscience, Santa Lucia Foundation IRCCS, Rome, Italy;

²Department of Systems Medicine, University of Rome Tor Vergata, Rome, Italy;

³Aligning Science Across Parkinson's (ASAP) Collaborative Research Network, Chevy Chase, MD, United States



Nicola Biagio Mercuri

ABSTRACT

The open field test is a simple test to evaluate general motor and explorative behavior in rodents

OPEN  ACCESS



DOI:

dx.doi.org/10.17504/protocols.io.5qpvo3677v4o/v1

Protocol Citation: mariangela.massarocenere 2024. Open field test . **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.5qpvo3677v4o/v1>

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

Created: Jan 26, 2024

Last Modified: Jan 30, 2024

- 1 Habituate the animal for 1 h to the testing room before the test
- 2 Place the animal in the center of open field cylindrical arena (100 cm diameter) with dark walls (35 cm) and floor, under dim lighting (300 lux)
- 3 Leave the animal free to explore the arena for 10min and record with a video camera suspended above the arena
- 4 Track the center and the periphery with video tracking software (EthoVision - Noldus, The Netherlands)
- 5 Clean the apparatus every time between animals